

## CHAPTER II

### OVERVIEW OF THE DISTRICT

Ri Bhoi District is one of the youngest districts of Meghalaya which came into existence and assumed the hierarchical status of the district on the 4<sup>th</sup> June 1992 by upgrading the former Civil Sub-Division. The district was carved out from the erstwhile East Khasi Hills District and lies between North Latitudes 25 15' and 26 15' and between East Longitudes 91 45' and 92 15'. It geographically comprises parts of the Khasi kingdoms viz parts of Myllem Syiemship, Khyrim Syiemship, Nongspung Syiemship, Nongkhlaw Syiemship, whole of Nongpoh Sirdarship (erstwhile Nongpoh Syiemship), Myrdson Sirdarship and the erstwhile Nongwah Syiemship. Presently, Nongwah Syiemship is one of the missing Khasi States that calls for restoration both administratively and territorially. Presently, the District is bounded on the North by the Kamrup, Morigoan and Nagoan Districts of Assam, on the East by the Karbi Anglong District of Assam, on the South by East Khasi Hills & West Khasi Hills Districts and on the West by the West Khasi District. Nongpoh is the District headquarter and as well as that of Nongpoh Sirdarship. Ri Bhoi District contains an area of 2448.00 Sq.KMS excluding the geographical areas under the erstwhile Nongwah Syiemship and other places which fall under the 'Areas of Differences' between Assam and Meghalaya. Information about Ri Bhoi District can be had from the District Profile 2004.

#### Ri Bhoi District at a Glance

- 1) Name of the District: Ri Bhoi District
- 2) No of Administrative Units: 1
- 3) No of Blocks: 3 Blocks
  - (i) Umsning
  - (ii) Jirang
  - (iii) Umling
- 4) No. of Constituencies : 4 Constituencies:
  - (i) Umroi
  - (ii) Mawhati
  - (iii) Nongpoh
  - (iv) Jirang
- 5) No of Assembly Seats: 8- Mawhati A/C  
9- Umroi A/C  
10- Nongpoh A/C  
11- Jirang A/C
- 6) Name of MLAs: 1)Shri. D.D Lapang Nongpoh Constituency.

- 2)Shri. D. Khyndeit Constituency.
- 3)Shri S. W. Rymbai Umroi Constituency.
- 4)Shri. J.D Rymbai Jirang Constituency.

- 7) No of ULBs 1- Nongpoh Town Committee
- 8) No. of Police Stations: 3
  - (i) Umiam Police station
  - (ii) Nongpoh Police station
  - (iii) Khanapara Police station
- 9) Public Investigation Center : 1
  - (i) Bhoilymbong
- 10) No. of Out post : 7
  - (i) Mawlasnai
  - (ii) Kyrdemkulai
  - (iii) Umsning
  - (iv) Byrnihat
  - (v) Pilangkata
  - (vi) Patharkhmah
  - (vii) Umsiang
- 10) No. of Hospitals : 1
  - (i) Nongpoh Civil Hospital
- 11) No.of CHCs : 3
  - (i) Umsning CHC
  - (ii) Bhoilymbong CHC
  - (iii) Patharkhmah CHC
- 12) No.of PHCs: 8
  - (i) Warmawsaw PHC
  - (ii) Umtraï PHC
  - (iii) Mawhati PHC
  - (iv) Mawlasnai PHC
  - (v) Kyrdem PHC
  - (vi) Umden PHC
  - (vii) Byrnihat PHC
  - (viii) Marngar PHC
- 13) No of Dispensaries: 2
- 14) No of Leprosy Eradication Units: 2
 

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- (i) Missionaries of Charity
  - (ii) Leprosy Center, Umden Nongtluh
- 15) No. of Fire Stations: 3
- (i) Nongpoh Fire station, Nongpoh
  - (ii) Umiam Fire Station, Umiam
  - (iii) Byrnihat Fire station, Byrnihat
- 16) No of helipads: 4
- (i) Umroi
  - (ii) Patharkhmah
  - (iii) New Jirang
  - (iv) Mawhati
- 16) Total Area of the District: 2448 sq.kms
- 17) Geographical Area: 2,37,800 Ha
- 18) Cultivable Area: 19,493 Ha
- 19) Total Crop Area: 21953 Ha
- 20) No. of Rivers :2
- 21) Population: 1,92,795 (2001 census)
- (i) Male: 99315
  - (ii) Female:93480
  - (iii) Rural: 179630
  - (iv) Urban: 13165
  - (v) Sex Ratio(Female per 000 Male): 941
  - (vi) Density(per Sq. Km): 81

Block wise Population:

- (i) Umling C&RD Block: 75494
  - (ii) Umsning C&RD Block:117301
  - (iii) Jirang C& RD Block:
- 22) Electricity:

Installed:185.2 M.W  
 Generation:657.86 M.W

Per-capita Consumption: 432 M.W  
Total Village electrified: 316 M.W  
Sale of Electricity: 7,87,34,029M.W  
Domestic: 52,57,060 M.W  
Commercial: 15,70,857 M.W

23) Industries:

1. Factories registered under the factories Act 1948:24  
(a) Employees:1229  
2. Small Scale Industries under the Directorate of Industries:24  
(b) Employees:338

24) Joint Stock Companies:

i. Public:1  
ii. Private:5  
iii. Total:6

25) Road and Transport:

Road:  
(a) Surfaced: 345.111km  
(b) Unsurfaced:  
(c) Gravelled: 230.697 km  
(d) Kutcha: 95.134 km  
Total: 670.942km

No. of Registered Vehicles:

(a) Government: 25  
(b) Private: 1,235  
(c) Commercial 1,536

Total: 2,796

**DEMOGRAPHIC DETAILS :**

The population of the District as per the provisional figures of 2001 census is 1,92,795 persons, out of which 13165 persons are urbanites and 179630 persons are ruralites. The sex ratio i.e the proportion of female per 1000 male is 941 persons and the density of population is 81persons per sq.km .

### Demography:

Sl No	Name of the Block	Total No. Of House holds	Population				Proportion of SCs to total population	Proportion of STs to total population
			Adult		Childr en (C)	Total Population (M+F+C)		
			Male (M)	Female (F)				
1.	Umsning	21,036	60,445	56,723	26,709	143,877	0.2%	87.6%
2.	Umling& Jirang	13,808	38,874	36,748	15,837	91,459	0.1%	86.2%

### SOCIO-ECONOMIC FEATURES:

The economy of the Ri Bhoi District is basically agrarian as more than 80% of the population depends directly or indirectly on agriculture. The average cultivated area (22833 hectares) in the district, which is about 10% of total geographical area (237800 hectares). Paddy, maize, ginger, pineapple, banana, papaya are the main agro-horticultural crops playing a predominant role in the economy of the district. Among food crops, paddy & maize are the main crops with an area of 11587 ha & 2045 hectares respectively.

### Type of Workers

Sl No	Name of the Block	Type of Workers							
		Main Workers		Marginal Workers		Non Workers		Total Workers	
		M	F	M	F	M	F	M	F
1.	Umling& Jirang	17613	10744	2492	4224	18769	21780	20105	14968
2.	Umsning	27430	15450	3904	7550	29111	33723	31334	23000

### Literacy Rate in Percentage:

Sl.No	Name of the Block	Literacy rate(%)		
		Males	Females	Total
1.	Umsning	68.2	65.1	66.7
2.	Umling& Jirang	69.7	58.4	64.2

### SALIENT PHYSICAL FEATURES AND LAND USE PATTERN

Ri Bhoi being one of the components of the Meghalaya plateau, has its physiographical features almost similar to that of the Khasi Hills. The only difference is that Ri Bhoi District has a comparably more flat topography with a mild gradient especially if we take Ri War as benchmark. The Hills gently slope towards Brahmaputra

valley of Assam in the north, overlook the gentle plains of this mighty river in the central portion and the basin of Kamrup District in the west. The geological structure of Ri Bhoi District is mainly composed of Archaean Gneissic Complex, except some strips at the fringe between Jirang Syiemship, Myllem Syiemship (Khanapara and Beltola areas) and Kamrup District which is covered with alluvial soil. The North-East portion which is contiguous to Block-II areas is composed of proterozoic i.e Granite. Thus Granite is one of the major minerals of this District which has economic value and is marketable when the same is properly processed.

**Forests:**

State forests can be classified into (i) Subtropical pine forest (ii) Moist mixed deciduous forest (iii) Very moist sal bearing forest and (iv) Reserved forest, out of which category (ii) and (iv) can be found in Ri Bhoi District. The environmental setting is characterized by the existence of Reserved Forests and Wildlife Sanctuary. **Nongkhylllem Wildlife Sanctuary** is one of the oldest and famous sanctuary which is situated in this District.

**Area under reserved forest and protected forest (in hectares) :**

<b>Reserved Forest</b>	<b>Protected forest</b>
12635	14

**Climate and Rainfall:**

The Climate of Ri Bhoi District experiences different types of climate ranging from tropical climate in the areas bordering Assam to the temperate climate adjoining the East Khasi Hills District. The areas bordering Assam experience hot - humid weather during summer seasons with an average temperature of 30 deg Centigrade, especially during the month of May to July of the year. In other areas like Lum Raitong and Lum Sohpetbneng Plateaus, the climate is severely cold during the winter months and is pleasant during the summer period.

**ANNUAL NORMAL RAINFALL:** 758.7 MM (1994-1998)

**TEMPERATURE:** MAX-25.30 MIN-23.6 (1994-1998)

<b>Month</b>	<b>Actual Rainfall ( in m.m.)</b>				
	2000	2001	2002	2003	2004
January	Nil	Nil	15.1	6.2	Nil
February	Nil	Nil	Nil	52.2	Nil

March	31.9	28.8	N.A	42.0	24.0
April	139.0	404.0	N.A	245.4	371.2
May	244.4	233.6	170.6	143.4	122.2
June	410.5	227.6	469.3	266.4	1895.0
July	322.7	1561.0	550.2	441.0	332.4
August	587.4	1251.0	170.4	364.1	149.4
September	507.6	1260.0	285.4	170.8	5000.84
October	166.2	191.2	34.4	276.0	2243.0
November	Nil	6.4	63.6	Nil	140.0
December	Nil	Nil	20.7	9.0	Nil

### **Agriculture and Cropping Pattern:**

The economy of the Ri Bhoi District is basically agrarian as more than 80% of the population depends directly or indirectly on agriculture. The average cultivated area (22833 hectares) in the district, which is about 10% of total geographical area (237800 hectares). Paddy, maize, ginger, pineapple, banana, papaya are the main agro-horticultural crops playing a predominant role in the economy of the district. Among food crops, paddy & maize are the main crops with an area of 11587 ha & 2045 hectares respectively. According to the Land Use Statistics, during the year 1998-99, the net area sown is 21325.00 hectares and the area sown more than once is 1508.00 hectares. Thus the total cropped area is 22833.00 hectares thereby leaving an uncropped area of 14967.00 hectares

### **Agricultural Labourers:**

Sl. No	Name of the Block	% of Agriculturals	% of Cultivators	% of Household industries
1.	Umsning	19.5	57.2	1.9
2.	Umling & Jirang	16.7	55.8	1.7

### **Area & Production of important crops:**

Sl.No	Name of crops	Area(hec)	Production(tones)
1.	Rice	11837	15910
2.	Maize	1912	4208
3.	Millet	20	15
4.	Turmeric	34	153
5.	Potato	23	184
6.	Sweet potato	189	494
7.	Areca nut	28	18
8.	Banana	772	13930
9.	Chillies	33	25
10.	Soyabean	30	26
11.	Jhum Paddy	1204	1100

### Availability of Irrigation Facility:

Sl. No	Name of the Block	Name of the Project	Area in Hec.
1.	Umsning	Amjong F.I.P	300
		Tyrso F.I.P	528
		Pynthor F.I.P	200
		Sumer F.I.P	12
		Iapngar F.I.P	598
2.	Umling	Nongladew F.I.P	139.87
		Patharkmah F.I.P	134.92
		Nongkylla Mikir F.I.P	24
3.	Jirang	Patharkmah F.I.P	10
		Umkadhore	4
		Umsaw	18

### RIVER SYSTEM AND DAMS:

Umtrew , Umiam, Umsiang and a good numbers of other turbulent streams that drain out all over the District exhibits gentle gradients with sinuosity on the plain areas. The river drainage system generally exhibits eight patterns viz (i) Radial (ii) Centrifugal (iii) Parallel (iv) Dendritic (v) Deranged (vi) Trellised (vii) Annual and (viii) Rectangular. Of these two patterns i.e Parallel and Dendritic can be witnessed in the catchment areas of the rivers in this district.

### INFRASTRUCTURE DETAILS:

#### Infrastructure (Nos.):

Name of the Block	PDS Outlets	Post Offices	Police Station/ Outpost	Pucca buildings	CHC	PHC	Dispensary	Cyclone Shelters	Educational Institutions					Large Scale Industries	Small Scale Industries	Godowns
									Primary Schools	Middle Schools	High Schools	Colleges	Adult Education Centres			
Jirang	23	5	2		1	1			54	16	4	Nil	Nil	Nil	Nil	
Umsning	180	9	5		1	4	1		214	21	10	2	50	Nil	5	
Umling	72	1&12 sub post office	3		1	3	1		138	20	8	1	36	52	60	5

**INDUSTRIES:**

<b>Name of the Block</b>	<b>Name of the Industry</b>	<b>Govt/Private</b>	<b>Type of industry</b>	<b>Man power employed (nos)</b>
<b>Umling Block</b>	Nalari Tea	Private	S.S.I	25
	FullmoonChuoket Automobile	Private	S.S.I	6
	Dano Metal Work	Private	S.S.I	3
	Laitphor Mini Rice Mill	Private	S.S.I	2
	B.B Furniture	Private	S.S.I	5
	S.D Hollow Block	Private	S.S.I	2
	Makri Rice Mill	Private	S.S.I	3
	D.Kshiar Stone Crusher	Private	S.S.I	16
	Kharkongor Tailoring	Private	S.S.I	5
	Bani Printing Press	Private	S.S.I	6
	North east Powerline Ind.8 <sup>th</sup> Mills, Baridua	Private	S.S.I	7
	Hindustan Cocacola Beverages(P) Ltd.	Private	S.S.I	50
	Dees Chemicals (P) Ltd. E.P.I.P,Byrnihat.	Private	S.S.I	12
	Cherub Natural (P) Ltd Byrnihat.	Private	S.S.I	13
	Subhum Industries,G.S Road.	Private	S.S.I	10
	Ri Bhoi Engineering Co.(P) Ltd.Byrnihat	Private	S.S.I	N.A
	Foto Industries, Khanapara	Private	S.S.I	11
	Packed & Bottled, Baridua.	Private	S.S.I	6
	Meghalaya Steel & Tubes, Baridua.	Private	S.S.I	8
Byrnihat Oxygen, Byrnihat.	Private	S.S.I	17	

<b>Umsning Block</b>	S.M Poly pack Industries	Private	S.S.I	40
	R.K.B Cements	Private	S.S.I	75
	R.N.B Minerals	Private	S.S.I	34
	King Aqua	Private	S.S.I	12
	Eastern Petro Chemical (P) Ltd.	Private	S.S.I	10
	Budon Stone Crusher unit	Private	S.S.I	16
	Premier Roller Flour Mill	Private	S.S.I	32
	Gemini Fed Mill	Private	S.S.I	10
	Umiam Calcinates (P) Ltd.	Private	S.S.I	45
	Supreme Tyre (P) Ltd	Private	S.S.I	14

**FINANCIAL INSTITUTIONS:**

<b>Sl. No</b>	<b>Name of the Institution</b>	<b>Address</b>	<b>Telephone Number</b>
1.	SBI	Nongpoh	242548/232223
2.	Ka Bank Nongkyndong	Nongpoh	232351
3.	Apex Bank	Nongpoh	232233:
4.	Indian Bank	Nongpoh	232694
5.	SBI	Umsning	262226
6.	Apex Bank	Umsning	262231
7.	U.B.I	Mawhati-Branch,Umsning	262270
8.	S.B.I	Kyrdemkulai	
9.	S.B.I	Umiam	2570247
10.	S.B.I	Byrnihat	263756
11.	Apex Bank	Byrnihat	263756
12.	Ka Bank Nongkyndong	Bhoirymbong	268318
13.	Apex bank	Bhoirymbong	94361-08642
14.	Punjab Bank	Byrnihat	263695
15.	SBI	Patharkhmah	
16.	S.B.I	Khanapara	
17.	S.B.I	Jorabad	
18	U.B.I	Byrnihat	263290

## TRANSPORT AND COMMUNICATION NETWORK:

Tele Com. (Y/N)	No. Of Bus		No. Of Ambulance		No of Truck		No. Of Tractor		No of jeeps	
	G	P	G	P	G	P	G	P	G	P
Yes	2	67	7	4	1	338	Nil	13	11	158

### **G: Government: P: Private**

Motor Cycle, Scooter & Moped : 525  
 Three wheeler & Auto Rickshaw : 1,062  
 Taxis : 36  
 Private Cars : 447

## ROAD NETWORK & COMMUNICATION CONNECTIVITY

The National Highway.40. linking Assam and Meghalaya at the inter – State Border of Jorabat right upto the International Border with Bangladesh at Tamabil has a total length of 163<sup>rd</sup> Km is the main link of communication which connects Ri- Bhoi District with areas outside the district.

### **Alternative Communication Connectivity in Emergency Situation:**

The alternative routes include:

- 1..Lad Umroi→ Bhoirybong→Lumsophoh→ Mawsiat Khnam→East Khasi Hills
- 2.Lad Umroi→Nongtrew→Lumsophoh→ Mawsiatkhnem→ East Khasi Hills.
- 3.Nongpoh→Lailad →Mairang→ Shillong.
4. Lad Umroi→Mawlyndep →Mawmih→ Kriet → Sohiong → East Khasi Hills

## POWER STATION AND ELECTRIC INSTALLATION:

33kv s/s	3.15MVA	2.5MVa	1.6MVA	Total
Nongpoh Sub-Division	-	1	1	2
Umiam Subdivision	-	1	-	1
P.C.S.D	1	2	1	4

	P.C.S.D	Umiam	Nongpoh		KVA
500 KVA	11	-	-	11x500	5500
315 KVA	1	-	-	1x315	315
30 KVA	3	-	-	3x300	900
250 KVA	11	4	3	18x250	450
220 KVA	7	5	2	14x200	2800
125 KVA	1	1	-	2x125	250
100 KV	16	16	8	40x100	4000
63 KVA	12	29	28	69x63	4347
50 KVA	1	-	-	1x50	50
45 KVA	1	-	1	2x45	90
25 KVA	13	78	151	242x25	6050
16KVA	2	21	16	39x16	624
10KVA	-	3	3	6x10	60
Total	79	157	212=448		29076

Name of the Station	33KV line in Km	11KV line	3ph 5w	3ph-4w	2ph-3w	1ph -2 w in km
Nongpoh	s/c 65 d/c 5	718.57	5	64.95	11.35	288.46
Umiam	-	272.05	2.7	65.60	3.75	166.60
P.C.S.D	608s/c 44.8 d/c16.00	72.35	7.7	59.7	15.1	8.60
Total	125.8 km	1062.97 km	7.7 km	190.25 km	30.20 km	463.66 km

**INSTALLED CAPACITY UNDER RI BHOI DISTRICT IN M/W HYDEL:**

1.	Stage --I Sumer	36
2.	Stage – II Umsumer	18
3.	Stage – III Kyrdemkulai	60
4.	Stage – IV	60
5.	Umtru Power station	11.2
	Total	185.20 M.W

**1. Tower Line 132 KV:**

S/C : 34

D/C :118

1. UPH - 132/33 KV  
2x20 MVA

2. EPIP- 2x20 MVA  
3x5 MVA  
- 33/11 KV

1. Byrnihat- 2x2.5 MVA  
1x1.6 MVA

2. Umiam Lal Tanki- 1x3.15 MVA

3. Umiam Bazar- 1x2.50 MVA

4. Umsning- 1x2.5 MVA

5. Zero Point- 1x1.6 MVA

6. Umsohlait- 1x1.6 MVA

**7. Nongpoh- 1x2.5 MVA**