

DISTRICT SURVEY REPORT

BIKANER DISTRICT

1. INTRODUCTION:

Bikaner district is located in the north-western part of Rajasthan and encompassed between north latitudes 27°11' to 29°03' and east longitudes 71°52' to 74°15' covering geographical area of 30247.90 Sq. kms. It is bounded on the north by Ganganagar District, on the east by Hanumangarh and Churu Districts, on south by Nagaur and Jodhpur Districts and on the west by Jaisalmer District and International border with Pakistan. For administration and development, the district is divided into eight sub-divisions i.e. Bikaner, Kolayat, Nokha, Loonkaransar, Khajuwala, Chhattargarh, Pugal and Dungargarh and eight tehsils, i.e., Bikaner, Kolayat, Nokha, Loonkaransar, Khajuwala, Chhattargarh, Poogal and Dungargarh. The developmental activities of the district are being looked after by six Panchayat Samities, i.e. Bikaner, Kolayat, Nokha, Loonkaransar, Khajuwala and Dungargarh.

There are 874 villages and 219 Gram panchayats. There is one independent Sub-Tehsil Bajju situated in Kolayat tehsil for better administration. The district has one Municipal Council, 219 Gram Panchayats and 874 Villages. As per 20011 Census, the total population of the district is 2363937 out of which 1563553 is rural population and 800384 is urban population.

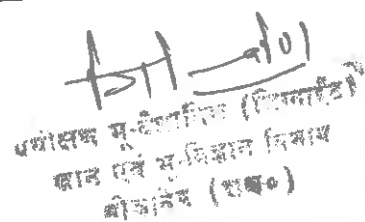
1. OVERVIEW OF MINING ACTIVITY IN THE DISTRICT:

In Bikaner district various types of minerals available under minor category such as Gypsum, Ball clay, Fullers earth, Limestone, Bajri-Gravel, sandstone etc. About 240 leases of these minerals are operating in the district.

2. LIST OF MINING LEASES IN DISTRICT WITH LOCATION, AREA AND PERIOD OF VALIDITY:


Sl. n o.	MI No.	Mine name	Name of mineral	Area	Village	Tehsil	District	Period
1	32/05	M/s RSMM Ltd.	Gypsum	1278	Dhani Abdullawali	Kolayat	Bikaner	20.01.2010 to 20 years




प्रमुख मन्त्री (विभागीय)
कानून एवं स. विज्ञान विभाग
बीकानेर (राज.)

2	05/05	M/s RSMM Ltd.	Gypsum	280.50	Bhurasar	Kolayat	Bikaner	04.02.2011 to 20 years
3	43/05	M/s RSMM Ltd.	Gypsum	498.50	Larawala	Kolayat	Bikaner	04.02.2011 to 20 years
4	03/93	M/s RSMM Ltd.	Gypsum	350	Kundal	Pugal	Bikaner	08.05.1996 to 20 years
5	2/81 rev. 4/01	M/s RSMM Ltd.	Gypsum	135.09	Bajju	Kolayat	Bikaner	05.10.1981 to 20 years
6	31/07	M/s RSMM Ltd.	Gypsum	447	Dehria	Kolayat	Bikaner	30.06.2011 to 20 years
7	2/92	M/s RSMM Ltd.	Gypsum	1000	Bhallar I	Khajuwala	Bikaner	28.09.1993 to 20 years
8	1/94	M/s RSMM Ltd.	Gypsum	196.87	Bhallar II	Khajuwala	Bikaner	05.03.1998 to 20 years
9	12/93	M/s RSMM Ltd.	Gypsum	97.885	Ashuwali Talai	Pugal	Bikaner	30.12.2008 to 20 years
10	10/2000	M/s RSMM Ltd.	Gypsum	202.327	Kishanpura II	Pugal	Bikaner	15.12.2001 to 20 years
11	4/93	M/s RSMM Ltd.	Gypsum	312.73	Bharu	Bikaner	Bikaner	29.09.1997 to 20 years
12	6/02	M/s FCI Aravalli Gypsum & Mineral India Ltd.	Gypsum	200	Randhisar	Kolayat	Bikaner	11.05.2007 to 20 years
13	1/02	M/s FCI Aravalli Gypsum & Mineral India Ltd.	Gypsum	250.53	Kavni	Bikaner	Bikaner	01.04.2003 to 20 years
14	2/02	M/s FCI Aravalli Gypsum & Mineral India Ltd.	Gypsum	114.49	Bharu	Bikaner	Bikaner	01.04.2003 to 20 years
15	5/2000	Vinod Bishnoi	Gypsum	4.8012	Bhagu	Khajuwala	Bikaner	28.08.2000 to 20 years



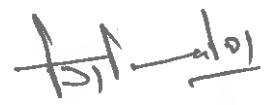

 परीक्षण मू-वैज्ञानिक (लिग्नाइट)
 ज्ञान एवं मू-विज्ञान विभाग
 बीकानेर (राज.)

16	6/01	Lalit Daftari	Gypsum	4.75	Khinchiya	Bikaner	Bikaner	26.09.2008 to 20 years
17	6/07	Bikaner Refractories	Gypsum	4.5	Karnisar Bhatiyon Ka Bera	Kolayat	Bikaner	27.01.2011 to 20 years
18	9/07	Chetak Plaster	Gypsum	4.5	13 DKD	Pugal	Bikaner	08.09.2011 to 20 years
19	5/2007	Arvind Enterprises	Gypsum	4.5	5 MGM Karnisar	Kolayat	Bikaner	09.10.2013 to 30 years
20	10/13	Anil Plaster	Gypsum	4.5	7 MGM	Kolayat	Bikaner	07.10.2013 to 30 years
21	11/13	M/s Tatarwal Plaster	Gypsum	4.5	26 MGM	Kolayat	Bikaner	07.10.2013 to 30 years
22	28/13	Vijay Kumar Mahawar	Gypsum	4.5	23 BSM	Kolayat	Bikaner	07.10.2013 to 30 years
23	19/13	Vishwakarma Plaster	Gypsum	4.5	11 MGM	Kolayat	Bikaner	07.10.2013 to 30 years
24	42/08	Ganpati Plaster	Gypsum	4.5	4	MGM Karnisar	Bikaner	03.03.2014 to 30 years
25	13/13	Dharmesh Plaster	Gypsum	4.5	7 MGM	Kolayat	Bikaner	03.03.2014 to 30 years
26	14/13	Vishnu Plaster	Gypsum	4.5	7 MGM	Kolayat	Bikaner	03.03.2014 to 30 years
27	33/13	Bastiram Bishnoi	Gypsum	4.5	17 LKD	Chattargarh	Bikaner	14.03.2014 to 30 years
28	34/13	Tarachand Bishnoi	Gypsum	4.5229	19 BSD	Kolayat	Bikaner	13.03.2014 to 30 years
29	35/13	Birbalram Punia	Gypsum	4.5	19 BSD	Kolayat	Bikaner	13.03.2014 to 30 years
30	36/13	Chetna Plaster	Gypsum	4.5	6 PRM	Khajuwala	Bikaner	18.03.2014 to 30 years

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 प्रशासनिक सूचनाधिक (लिगनाईट)
 ज्ञान एवं अनुसंधान विभाग
 कोयंबटूर (राज.)

31	37/13	Jai Babalagiri Ind.	Gypsum	4.5	2 MGM	Kolayat	Bikaner	13.03.2014 to 30 years
32	38/13	Jai Maa Bhawani Ind.	Gypsum	4.5	2 MGM	Kolayat	Bikaner	13.03.2014 to 30 years
33	2/97	M/s RSMM Ltd.	Selenite	518	Lunkaransar	Lunkaransar	Bikaner	01.11.1997 to 20 years
34	2/03	Neyveli Lignite Coorporation	Lignite	971	Barsingshar	Bikaner	Bikaner	30.08.2006 to 30 years
35	2/80	M/s RSEB Jaipur	Lignite	800.19	Palana	Bikaner	Bikaner	04.05.1995 to 20 years
36	48/05	V.S. Lignite	Lignite	1241.25	Guda (EAST)	Kolayat	Bikaner	25.08.2008 to 30 years
37	12/83 rev. 21/03	Amit Minerals & Chemicals	Ball Clay	4.6492	Motawata	Kolayat	Bikaner	10.12.1994 to 20 years
38	24/83 rev. 23/03	Anirudh Mines & Chemicals	Ball Clay	94.97	Kotri	Kolayat	Bikaner	30.11.2004 to 20 years
39	5/92	Anil Kumar Chandana	Ball Clay	50.68	Deh	Kolayat	Bikaner	15.03.1993 to 20 years
40	13/75 rev. 1/95	Tahlaram & sons	Ball Clay	246.85	Kotri	Kolayat	Bikaner	20.04.1996 to 20 years
41	6/92	Tahlaram & sons	Ball Clay	4.48	Mudh	Kolayat	Bikaner	08.06.1993 to 20 years
42	13/92	Padmawati Chandana	Ball Clay	49.80	Mudh	Kolayat	Bikaner	27.12.1993 to 20 years
43	3/71 rev. 10/97	Padmawati Chandana	Ball Clay	9.84	Kotri	Kolayat	Bikaner	30.06.1978 to 20 years
44	11/90 re. 47/10	Padmawati Chandana	Ball Clay	9.90	Sankhla Ki Basti	Kolayat	Bikaner	01.12.1991 to 20 years
45	6/86 re 3/06	Bhagwandas Chandra Kumar & Company	Ball Clay	71.94	Deh	Kolayat	Bikaner	01.06.2007 to 20 years

46	17/72 re 17/05	Saurabh Chandana	Ball Clay	77	Sankhla Ki Basti	Kolayat	Bikaner	22.05.2006 to 20 years
47	15/08	Bikaner Clays & Chemicals	Ball Clay	31.84	Indo Ka Bala	Kolayat	Bikaner	17.06.2009 to 20 years
48	1/89 re 1/09	Gulab Chand Kochar	Ball Clay	42.31	Deh	Kolayat	Bikaner	24.03.1990 to 20 years
49	6/89 re 51/09	Bhagwandas Chandana	Ball Clay	37.21	Kotri	Kolayat	Bikaner	20.04.1996 to 20 years
50	9/68 re 10/92	Shobha Devi Jat	Ball Clay	32.37	Chani	Kolayat	Bikaner	08.06.1993 to 20 years
51	02/11	Bikaner Ceramics Pvt. Ltd	Ball Clay	77.7859	Indo Ka Bala	Kolayat	Bikaner	11.04.2013 to 20 years
52	22/03	Shiva Mines & Minerals	Ball Clay	94.84	Deh	Kolayat	Bikaner	28.07.2004 to 20 years
53	4/97	Asharam Chura & sons	Ball Clay	4.80	Indo Ka Bala	Kolayat	Bikaner	02.03.1998 to 20 years
54	21/04	Deepak Minerals	Ball Clay	69.59	Sarah Kishnayot	Kolayat	Bikaner	16.10.2005 to 20 years
55	45/05	Daulat singh & sons	Ball Clay	95.99	Mokha	Kolayat	Bikaner	21.10.2006 to 20 years
56	1/88 re 04/08	Jai Sahnkar Mines	Ball Clay	39.01	Kotri	Kolayat	Bikaner	28.01.2009 to 20 years
57	5/88 re 18/08	Gulab Chand Kochar	Ball Clay	4.875	Mudh	Kolayat	Bikaner	06.08.1999 to 10 years
58	10/90 re 31/10	Sampat Lal Daga	Ball Clay	131.52	Kotri	Kolayat	Bikaner	19.08.2001 to 10 years
59	19/03	Gulab Chand Kochar	Ball Clay	105.22	Mudh	Kolayat	Bikaner	31.10.2004 to 20 years
60	11/92	Sampat Lal Daga	Ball Clay	38.94	Kotri	Kolayat	Bikaner	14.09.1993 to 20 years

Prakash *Asst. Dir.*

एकीकरण मू-केन्द्रात्मिक (लिगनाईट)
ज्ञान एवं मू-विज्ञान विभाग
कोकशेद (पाठ०)

61	9/81 re 10/01	Gopal Krishan Bhanot by Madhusudan Daga	Ball Clay	99.75	Mokha	Kolayat	Bikaner	24.05.1982 to 20 years
62	3/83 re 5/03	Jaichand Lal Daga	Ball Clay	98.05	Gudha	Kolayat	Bikaner	17.04.2004 to 20 years
63	1/93 re 5/13	Jaichand Lal Daga	Ball Clay	147.81	Indo Ka Bala	Kolayat	Bikaner	25.01.1994 to 20 years
64	25/81 re 8/02	Jaichand Lal Daga	Ball Clay	98.45	Motawata	Kolayat	Bikaner	04.05.2003 to 20 years
65	25/81 re 8/02	Jaichand Lal Daga	Ball Clay	18.59	Kotri	Kolayat	Bikaner	15.07.2007 to 20 years
66	3/2000	Raj Devi Daga	Ball Clay	5	Nal choti	Bikaner	Bikaner	16.08.2002 to 20 years
67	13/74 re 6/96	Hanuman Prasad Singhania	Ball Clay	197.31	Mudh	Kolayat	Bikaner	18.08.1977 to 20 years
68	8/92	Harish Clays	Ball Clay	75.13	Chani	Kolayat	Bikaner	12.04.1993 to 20 years
69	7/93	Harish Clays	Ball Clay	284.2	Gudha	Kolayat	Bikaner	05.08.1998 to 20 years
70	8/90 re 29/10	K.G. Mines & Minerals	Ball Clay	266.73	Gudha	Kolayat	Bikaner	17.08.1991 to 20 years
71	21/83 re 04/04	K.G. Mines & Minerals	Ball Clay	4.80	Gudha	Kolayat	Bikaner	18.03.1985 to 20 years
72	14/76 re 6/97	K.G. Mines & Minerals	Ball Clay	4.80	Khetolai	Kolayat	Bikaner	27.03.1998 to 20 years
73	9/90 re 28/10	K.G. Mines & Minerals	Ball Clay	162.44	Mudh	Kolayat	Bikaner	18.08.1991 to 20 years
74	1/90 re 25/10	Madhusudan Daga	Ball Clay	4.80	Deh	Kolayat	Bikaner	14.06.1991 to 20 years
75	19/75 re 3/96	Madhusudan Asopa	Ball Clay	5	Mudh	Kolayat	Bikaner	24.05.1997 to 20 years

76	3/88 re 14/08	Narendra Malik	Ball Clay	33.03	Mudh	Kolayat	Bikaner	17.06.1989 to 20 years
77	3/77 re 13/97	Anirudh Ceramics & Ind. Pvt. Ltd	Ball Clay	33.03	Mudh	Kolayat	Bikaner	25.09.1998 to 20 years
78	9/93	Rama Devi Sharma	Ball Clay	156.36	Kotri	Kolayat	Bikaner	06.03.1994 to 20 years
79	10/93	Premlata Gupta	Ball Clay	165.644 2	Indo Ka Bala	Kolayat	Bikaner	09.09.1994 to 20 years
80	7/02	Raj Minerals	Ball Clay	83.23	Chani	Kolayat	Bikaner	13.05.2000 to 20 years
81	7/77 re 7/98	Sunderlal Daga	Ball Clay	37.99	Gudha	Kolayat	Bikaner	05.05.1999 to 20 years
82	17/81 re 17/03	Inderchand Gahlot	Ball Clay	5	Golri	Kolayat	Bikaner	29.09.1984 to 20 years
83	10/81 re 8/01	Sunderlal Daga	Ball Clay	64.75	Golri	Kolayat	Bikaner	06.05.2002 to 20 years
84	14/93	Sunderlal Daga	Ball Clay	5	Gudha	Kolayat	Bikaner	01.02.1995 to 20 years
85	9/98	Sunderlal Daga	Ball Clay	64	Nal Choti	Bikaner	Bikaner	28.09.1999 to 20 years
86	7/96	Shanta Sales Corporation	Ball Clay	102.51	Gudha	Kolayat	Bikaner	25.05.1998 to 20 years
87	5/95 re 21/06	Surendra Singh Baid	Ball Clay	51.75	Jogira	Kolayat	Bikaner	13.03.2008 to 20 years
88	16/81 re 8/04	Surendra Singh Baid	Ball Clay	4.8	Mudh	Kolayat	Bikaner	03.07.1985 to 20 years
89	4/95	Surendra Singh Baid	Ball Clay	64.75	Chani	Kolayat	Bikaner	26.08.1997 to 20 years
90	2/95	Shanta Sales Corporation	Ball Clay	124.1	Gudha	Kolayat	Bikaner	28.12.1996 to 20 years

Green *Asst. Secy*

मंत्रालय सूक्ष्मव्यवसाय (सिगनाई)
जान एवं सूक्ष्मव्यवसाय विभाग
नई दिल्ली (पञ्जाब)

91	8/96	Shanta Sales Corporation	Ball Clay	61.51	Gudha	Kolayat	Bikaner	26.04.1998 to 20 years
92	7/82 re 11/02	Shivratan Jwala Prasad	Ball Clay	65.88	Kotri	Kolayat	Bikaner	28.08.2003 to 20 years
93	6/88 re 41/08	Shri Ram Mines & Minerals	Ball Clay	54.32	Mudh	Kolayat	Bikaner	15.09.2009 to 20 years
94	47/04	Sampatlal Daga	Ball Clay	32.37	Sankhla	Kolayat	Bikaner	21.03.2006 to 20 years
95	2/07	Sampatlal Daga	Ball Clay	43.45	Kotri	Kolayat	Bikaner	03.02.2008 to 20 years
96	3/72 re 11/93	Sampatlal Daga	Ball Clay	5	Indo Ka Bala	Kolayat	Bikaner	23.05.1994 to 20 years
97	5/96	Sampatlal Daga	Ball Clay	82.25	Gudha	Kolayat	Bikaner	29.09.1997 to 20 years
98	4/72 re 16/04	Sampatlal Daga	Ball Clay	118.99	Chani	Kolayat	Bikaner	29.08.2005 to 20 years
99	3/95	Ummed Singh Rathore	Ball Clay	133.31	Sankhla Ki Basti	Kolayat	Bikaner	27.09.1996 to 20 years
100	6/81 re 15/03	Vijay Kumar Sharma	Ball Clay	42.55	Nal Choti	Bikaner	Bikaner	09.10.2004 to 20 years
101	9/96	Buli Devi	Ball Clay	5	KHari Charnan	Kolayat	Bikaner	18.06.1998 to 20 years
102	3/03	Arvind Sahrma	Ball Clay	5	Nal Choti	Bikaner	Bikaner	17.12.2005 to 20 years
103	1/05	R.D. Clays	Ball Clay	5	Nal Choti	Bikaner	Bikaner	04.05.1995 to 20 years
104	30/05	Chagan Lal Acahrya	Ball Clay	5	Nal Choti	Bikaner	Bikaner	04.09.2006 to 20 years
105	15/05	Hemendra Singh Baid	Ball Clay	4.70	Nal Choti	Bikaner	Bikaner	03.01.2006 to 20 years



15/10/05

भारतीय भू-वैज्ञानिक (लिथोलॉजी)
आन एंड भू-विज्ञान विभाग
श्रीकावेर (राज.)

106	1/07	Narendra Kumar Deora	Ball Clay	4.257	Nal Choti	Bikaner	Bikaner	30.06.2007 to 20 years
107	18/83	Sharda Sales Corporation	Ball Clay	129.5	Jaisinghdeasr	Nokha	Bikaner	11.10.1985 to 21.01.2013
108	13/06	Hemendra Singh Baid	Ball Clay	4.90	Nal Choti	Bikaner	Bikaner	10.07.2009 to 20 years
109	14/06	Vinita W/o Hemendra Singh Baid	Ball Clay	4.85	Nal Choti	Bikaner	Bikaner	10.07.2009 to 20 years
110	15/06	Sunny Rawal	Ball Clay	4.86	Nal Choti	Bikaner	Bikaner	10.07.2009 to 20 years
111	16/16	Jai Chand Lal Daga	Ball Clay	4.88	Nal Choti	Bikaner	Bikaner	10.07.2009 to 20 years
112	6/06	Anil Chandna	Ball Clay	4.85	Mudh	Kolayat	Bikaner	18.05.2010 to 30 years
113	7/06	Jaya Chandna	Ball Clay	4.5	Mudh	Kolayat	Bikaner	18.05.2010 to 30 years
114	54/08	Vinod Kumar Jat	Ball Clay	4.840	Mudh	Kolayat	Bikaner	02.07.2010 to 30 years
115	9/10	Ashish Kumar Singh	Ball Clay	4.80	Indo Ka Bala	Kolayat	Bikaner	30.09.2011 to 30 years
116	14/10	Narendra Malik	Ball Clay	4.7013	Indo Ka Bala	Kolayat	Bikaner	06.04.2011 to 30 years
117	32/10	Devi Lal Jat	Ball Clay	4.9022	Deh	Kolayat	Bikaner	12.09.2011 to 30 years
118	37/10	Nazia Bano	Ball Clay	4.5532	Deh	Kolayat	Bikaner	30.09.2011 to 30 years
119	38/10	Anirudh Chemicals	Ball Clay	4.9088	Deh	Kolayat	Bikaner	09.11.2011 to 30 years
120	23/09	Jai Shree Acharya	Ball Clay	4.875	Nuwa Ganv	Kolayat	Bikaner	14.03.2012 to 30 years

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121	24/09	Sampat Lal Daga	Ball Clay	4.80	Nuwa Ganv	Kolayat	Bikaner	14.03.2012 to 30 years
122	29/09	Shankar Lal Acharya	Ball Clay	4.90	Nuwa Ganv	Kolayat	Bikaner	14.03.2012 to 30 years
123	21/09	Chaggan Lal Acharya	Ball Clay	4.80	Nuwa Ganv	Kolayat	Bikaner	24.08.2012 to 30 years
124	26/10	Saira W/o Gulam Nohammad	Ball Clay	4.9524	Modia Mansar	Kolayat	Bikaner	20.06.2012 to 30 years
125	25/12	Mahendra Kumawat	Ball Clay	4.3538	Mudh	Kolayat	Bikaner	24.08.2012 to 30 years
126	34/11	Deepak Suthar	Ball Clay	4.5667	Khari	Kolayat	Bikaner	25.04.2013 to 30 years
127	179/11	Hindustan Minechem	Ball Clay	4.3929	Jangloo	Nokha	Bikaner	07.05.2013 to 30 years
128	48/12	Ramkaran Jat	Ball Clay		Jangloo	Nokha	Bikaner	08.05.2013 to 30 years
129	29/13	Shri Balaji Mines & Minerals	Ball Clay	4.00	Jhajhu	Kolayat	Bikaner	01.10.2013 to 30 years
130	37/09	Nirmala Acharya	Ball Clay	4.917	Sharah Bhiyani	Kolayat	Bikaner	06.01.2014 to 30 years
131	18/12	S.R. Mines & Minerals	Ball Clay	4.3654	Indo Ka Bala	Kolayat	Bikaner	20.12.2013 to 30 years
132	54/12	Subhash Kumar Jat	Ball Clay	4.2428	Mudh	Kolayat	Bikaner	18.12.2013 to 30 years
133	40/09	Shobhit Daga	Ball Clay	4.8009	Sharah Bhiyani	Kolayat	Bikaner	06.01.2014 to 30 years
134	41/09	Chaggan Lal Acharya	Ball Clay	4.6589	Sharah Bhiyani	Kolayat	Bikaner	06.01.2014 to 30 years

135	42/09	Amit Kumar Daga	Ball Clay	4.7642	Sharah Bhiyani	Kolayat	Bikaner	06.01.2014 to 30 years
136	45/09	K.G. Mines & Minerals	Ball Clay	4.7271	Sharah Bhiyani	Kolayat	Bikaner	14.03.2014 to 30 years
137	43/09	Jai Chand Lal Daga	Ball Clay	4.7271	Sharah Bhiyani	Kolayat	Bikaner	16.05.2014 to 30 years
138	26/13	Rajya Laxmi	Ball Clay	4.7849	Golri	Kolayat	Bikaner	20.12.2013 to 30 years
139	27/03	Shakuntala	Ball Clay	4.9118	Golri	Kolayat	Bikaner	20.12.2013 to 30 years
140	48/11	Bharat Kumar Singh	Ball Clay	4.5682	Indo Ka Bala	Kolayat	Bikaner	28.02.2014 to 30 years
141	167/11	Kuldeep Pratap Singh	Ball Clay	4.2464	Indo Ka Bala	Kolayat	Bikaner	28.02.2014 to 30 years
142	49/11	Hardyal Singh	Ball Clay	4.6817	Indo Ka Bala	Kolayat	Bikaner	29.03.2014 to 30 years
143	15/13	Unique Clay Mining Company	Ball Clay	4.8631	Jangloo	Nokha	Bikaner	21.07.2014 to 30 years
144	32/13	Sunil Bishnoi	Ball Clay	4.50	Pithrasar	Nokha	Bikaner	21.07.2014 to 30 years
145	40/13	North India Plaster	Gypsum	4.50	1-3 MGM	Kolayat	Bikaner	24.07.2014 to 30 years
146	41/13	Shiv Kumar Choudhary	Gypsum	4.50	4 TWM	Kolayat	Bikaner	24.07.2014 to 30 years
147	42/13	Ramniwas Jat	Gypsum	4.50	4 TWM	Kolayat	Bikaner	24.07.2014 to 30 years
148	2/06	Nagaur POP Production Comittie	Gypsum	4.50	10 DWD	Khajuwala	Bikaner	30.07.2014 to 30 years
149	54/13	Jai Singh Charan	Ball Clay	4.9384	Gudha	Kolayat	Bikaner	02.09.2014 to 30 years





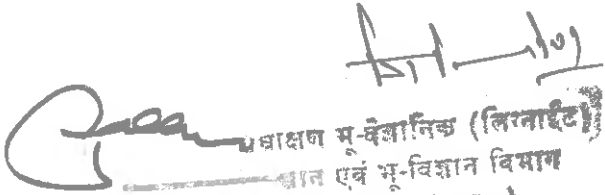
150	7/11	Kanta Devi	Ball Clay	4.9092	Sarah Bhaleri	Kolayat	Bikaner	12.09.2014 to 30 years
151	8/11	Rohit Daga	Ball Clay	4.8819	Sarah Bhaleri	Kolayat	Bikaner	12.09.2014 to 30 years
152	3/08	Om Plaster	Gypsum	4.00	Bhagu (Chak 3 BYM)	Khajwala	Bikaner	29.09.2014 to 30 years
153	31/14	Om Prakash Jat	Ball Clay	4.25	Deshnok	Bikaner	Bikaner	22.10.2014 to 30 years

3. DETAILS OF ROYALTY OR REVENUE RECEIVED IN LAST THREE YEARS :

	2012-13		2013-14		2014-15	
	Revenue (Rs.)	Production(T)	Revenue (Rs.)	Production(T)	Revenue (Rs.)	Production(T)
Gypsum	254545877	1430438	200639216	2015358	229403157	1898747
Ball Clay	8522285	2474187	124540199	3111317	140544172	3118457
Bajri/Gravel	134558473	6725923	171164539	8197226	256439081	9016583
Multani mitti	230496	3000	200585	4000	220222	10340
Limestone	1588217	28000	1481554	226770	1653438	25400
Masonry stone	6677221	391994	7699020	452883	7680430	134674
StoneBallast	71609702	4209863	77775891	4570698	27851685	2124327
marble	24046891	123000	90737	17693842	10895322	45397
Int mitti	17500992	869948	16511112	975960	13005489	720000
Sandstone	3928956	147335	1692124	139426	1764121	92389

4. DETAILS OF PRODUCTION OF SAND OR BAJRI OR MINOR MINERALS IN LAST THREE YEARS :

	2012-13		2013-14		2014-15	
	Revenue (Rs.)	production(T)	Revenue	Production	Revenue	Production
Bajri/Gravel	134558473	6725923	171164539	8197226	256439081	9016583


 प्रभाषण सूक्ष्मज्ञानिक (लिगनाईट)
 ज्ञान एवं भू-विज्ञान विभाग
 बीकानेर (राज.)

5. PROCESS OF DEPOSITION OF SEDIMENTS IN RIVER OF THE DISTRICT :
There is no river or major drainage flowing through the district.

6. GENERAL PROFILE OF THE DISTRICT :

1. Area : 30247.90 Sq Kms

2. Population

(i) Total Population : 1902110

(ii) Rural : 1262054

(iii) Urban : 640056

(iv) Density : 62.88 per Sq.Km

(v) Sex Ratio

(Per 1000 males) : 896 Females

(vi) Literacy –Male : 70.28 %

Female : 42.21%

Total : 57.06%

3. (i) No. of Towns : 4

(ii) No of Municipalities : 4

4. (i) No. of Villages inhabited : 841

(ii) No. of Villages Uninhabited : 85

(iii) Total No. of Villages : 926

(iv) Panchayat Samities (Nos.) : 5

(v) No. of Tehsils : 8

(vi) No. of Sub- divisions : 5

5. Agriculture :

(i) Total Cultivated area(2006-07) : 2.99 lacs Ha.

(ii) Double Cropped area : 01.15 lacs Ha.

(iii) Main Crops : Moth, Bajara, Wheat, Gram, Groundnut, Mustard

6. Irrigation :

(i) Total irrigated area : 266022 Ha.

(ii) Area irrigated by canals : 158084 Ha.

(iii) Area irrigated by wells : 107938 Ha. Tube wells etc.



7. **Area under Forest** : 82520 Ha.
8. **Minerals available** : Gypsum, China, Clay, Balls Clay, Fullers, Earth, Silica Sand, Lime Stone, Lignite.
9. **Average rain fall**: 335.7 mm. (period:2000 to 2012)
10. **Total No. of Industrial Areas** : 13
11. **No. of Villages electrified** : 754
12. **Transport & Communications** :
- (i) Total Road Length : 4793.86 Kms.
 - (ii) Total Railway Lines : 347.8 Kms.
 - (iii) No. of Telegraph Office : 1
 - (iv) No. of Post Offices : 271
13. **Existing Industrial Status**:
- (i) No. of Large/medium scale units: 6
 - (ii) No. of Small Scale units: 6786
14. **National Highways passing through the district**:
- (i) NH-11, NH-89 & NH-906

7. LAND UTILIZATION PATTERN IN THE DISTRICT :


About 21 % of the total area of the district is cultivated, net area sown varying 15 to 23% depending on the rainfall occurrence. The percentage of fallow lands in district varies for 7% to 15% again depending on the rainfall characteristics. About 64% of the area constitutes the cultivable waste. Forests and permanent pastures account for 0.3% and 1.00% respectively of the total area and about 4.2% of the area constitute the barren lands.

Agriculture :

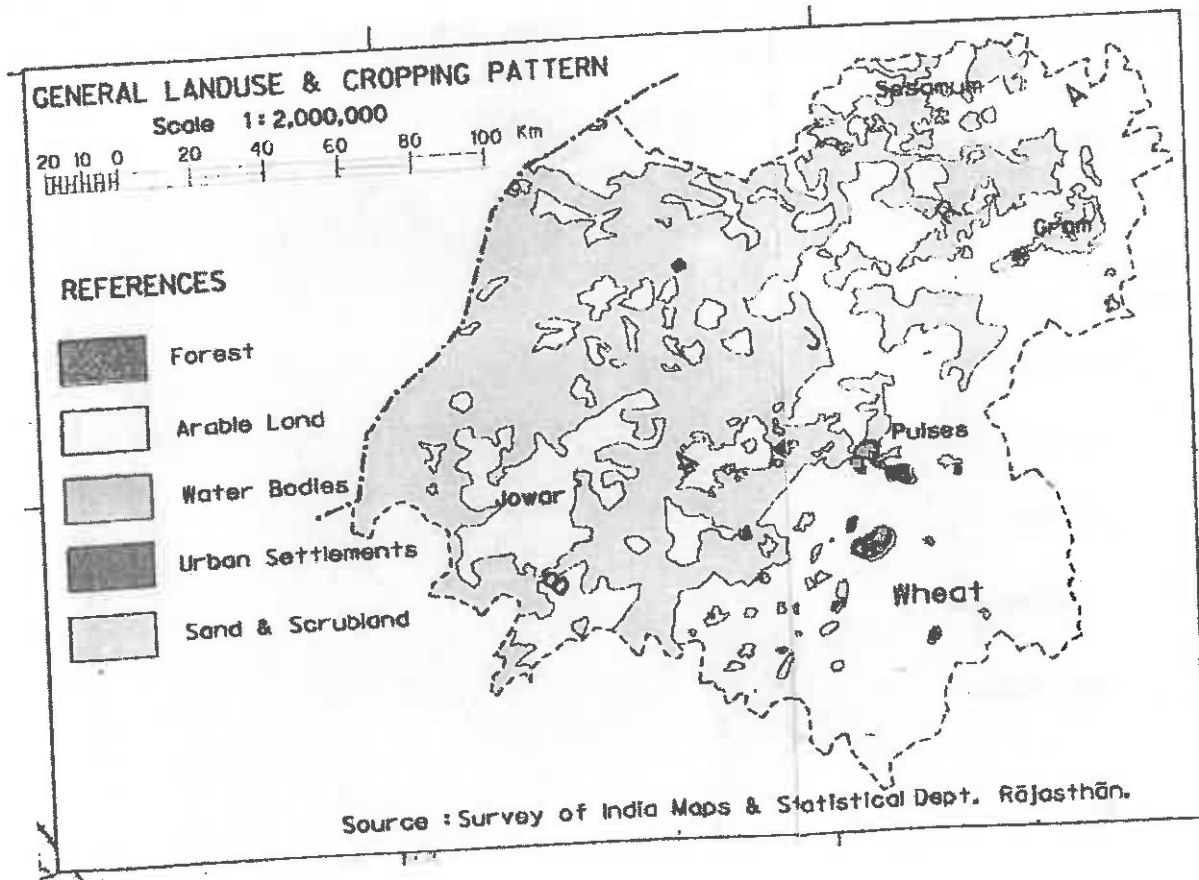
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 सहायक सू-वैज्ञानिक (सिगवाईट)
 ज्ञान एवं सू-विज्ञान विभाग
 बीकानेर (राज०)

Area under Forest : 82520 Ha.



8. PHYSIOGRAPHY OF THE DISTRICT :

The major part of the district is comprised of desolate and dry regions which form part of the Great India Desert of Thar. There are two natural divisions of the district name (i) North and Western desert and (ii) South and Eastern Semi- desert. At many place one finds shifting sand –dunes of varying heights ranging from 6 to 30 meters. The general slope of the regions towards the west and North West. The district is devoid of any perennial stream. Small ephemeral streams flow in the vicinity of kolayat, Gajner, and Gurha. Natural in land depressions which retain some water during the summer are located near loonkarnsa, Kolayat, Gajner and Nal. Construction of canals in the western parts has to activation of the stable dune field. The migrating sand is thickening the canals and road.

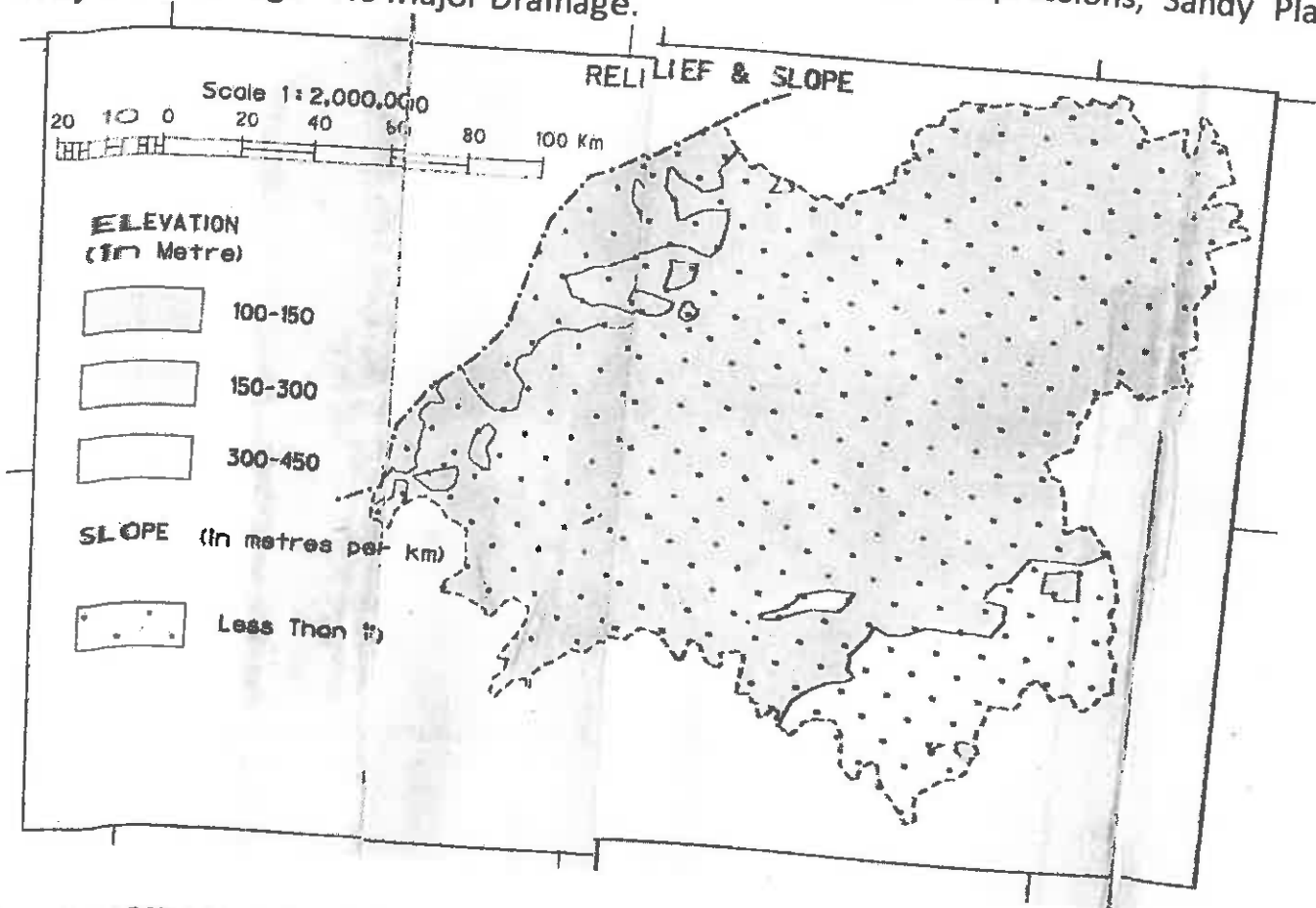
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प्रकाशन सू-केन्द्रानिक (सिग्नाईड)
 खान एवं सू-विक्रान विभाग
 लीकाईव (स.क.०)

Major Physiographic Units- Older alluvial plains, Sandy undulating aggraded Alluvial plains, Flat Interdunal Plains, Sandy undulating interdunal plains, Flood plane, Aeolian complex, Stabilized Sand dunes, Active Sand dunes, Gravelly aggraded alluvial plains, Eroded rocky surface, Saline depressions, Sandy Plain

Major Drainage - No Major Drainage.



9. RAINFALL : MONTH-WISE:

Average monthwise rainfall (in mm) for Bikaner district is as follows-

Month	Average rainfall(in mm)
January	8.9
February	15.0
March	8.8
April	10.5
May	25.0
June	37.1
July	118.2
August	43.7

Gean 15/11/20

प्रोफेसर भू-वैज्ञानिक (सिग्नाईड)
छान एवं भू-विज्ञान विभाग
श्रीकावेर (राज.)

September	29.6
October	14.1
November	9.0
December	15.8

Almost 90% of the total annual rainfall is received during the southwest monsoon, which enters the district in the first week of July and withdraws in the mid of September. As the district lies in the desert area, extremes of heat in summer and cold in winter are the characteristics of the desert. Both day and night temperatures increase gradually and reach their maximum values in April, May and June. The temperature varies from 48 degree in summer to 1 degree in winter. Atmosphere is generally dry except during the monsoon period. The humidity is the highest in August with mean daily relative humidity of 71% in the morning and 52% in the evening.

3.0 Geomorphology



10. GEOLOGY AND MINERAL WEALTH :

The district of Bikaner is a vast sandy tract. Three of the four tehsils are covered with sand except some exposures near Kolayat and in Nokha tehsil. These are locally called as Magras. In these areas various types of sandstone, clay & limestone have been revealed at different levels. Thus the geology of the district is based on subsurface studies only.

Many geologist believe that during the Jurassic, Cretaceous and Eocene periods the western part of Rajasthan including Bikaner district was under the sea. Later in upper Tertiary period area got up lifted in to dry land. Geologically the oldest rocks exposed in the limited area and encountered in dug &, tube wells etc. have been equated to upper vindhyan of south east Rajasthan known as trans Aravalli-Vindhyan overlying them are Tertiary formations followed by quarternary to recent sediments.

The geological succession is as follows:

AGE	FORMATION	ROCK TYPE
Recent	Quaternary	Sands and sandy alluvium Calcareous grit, Kankar and semi consolidated conglomerate and selenite.
Pleistocene	Bap Boulders	Associated, pebbles, cbbles, boulders and Lambariyan and erratics of,



 उद्योग एवं भू-वैज्ञानिक (लिग्नाइट),
 जल एवं भू-विज्ञान विभाग,
 बीकानेर (राज.)

granite, quartzite diamictite
rhyolite and dolomite.

-----UNCONFORMITY-----

Lower to Middle Eocene	Jogiara	Shaly and crystalline Limestone with foraminifers and fuller's earth with lamellibranchs and gastropods.
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-----DISCONFORMITY-----

Upper Palaeocene	Marh	Ferruginous gritty sandstone with white plastic clay bands, siltstone with leaf impressions.
Lower Palaeocene	Palana	Fine grained Sandstone, Carbonaceous shale and lignite

-----UNCONFORMITY-----

Paleozoic Cambrian Supergroup	Nagaur	Brick red to fine grained sandstone Marwar of Nagaur group with shales gypsum and conglomerates
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(Source: GSI After Mukhopadhyay ,A.K.1970-75 and Ghosh,R.N.1970-71)

Rock formation belonging to Nagaur group of Trans Aravali Vindhya (Marwar Supergroup) include basal conglomerates, sandstone, siltstone, shale, clay, limestone, anhydrite & halite.

Tertiary rocks are represented by Palana, Marh and Jogiara formation comprising fine grained sandstone, sandy clay variegated clays and lignite. Quaternary formation includes. Sandy alluvium/sand, Kankar, Iron stone nodule etc.

Bikaner district has some very important nonmetallic mineral deposits in state. It has vast resources of lignite and gypsum, besides clay, fullers earth, ochre and grit. The best quality gypsum in India was found at Jamsar, small occurrences of red sandstone and lime stone are also found at places. Limestone at Sarunda is high grade at places (upto 54% CaO) but the deposit is small and suitable for a mini cement plant. Glass sand is utilised in glass industry. There have been continuous efforts for development and use of lignite deposits.

The details of mineral deposits are given below:



राजस्थान भू-वैज्ञानिक (सिग्नाईट)
ज्ञान एवं भू-विज्ञान विभाग
सीकराधिप (राज.)

(é) Tehsil Lunkaransar

Lunkaransar Selenite (crystalline variety of gypsum). Estimated reserves 0.2 million tones. Mines is being operated by RSMML.

Clay

The main belt of Ball clay found in district occurs between villages Nal, Gajner, Deh, Mudh, Kotri, Chandi, Indo-Ka-Bala, Kolayat, Motawatan, gangapura, khari-Charnan, Gurha, Jegla-janglu, Hadlan etc in Kolayat tehsil. This belt extends over a strike length of 40 Km and width varying from 2-15 Km covering and area of about 400 SqKms.

On the basis of available information of mining leases this areas contains about 400 MT reserves of Ball clay.

Limestone

Sarunda- Mendelia :

The limestone occurs near Sarunda-Mandelia, tehsil Nokha in form of isolated patches. Mandelia is about 55 km. S.W. of Nokha. Limestone is dirty white grey in colour. Grey colour limestone is cement grade in nature and dirty white pinkish colour is dolomitic and cherty. Investigation have been carried out by the department and a reserve of 10.2 million tonnes have been assessed. containing CaO 40 to 54% ,MgO 2 to 6% and SiO₂ 5 to 10%

Dawa, Selwa :

It is located about 23 kms. south of Nokha. Limestone and dolomitic limestone occurs as five isolated mounds over a strike length of 3.2 kms. with width varying from 30 to 200 mts. Limestone is fine grained hard compact, light grey in colour with bangs of cherty and dolomitic limestone. About 5.50 million tonnes geological reserves are inferred. The analytical result, indicate 23.38% to 43.19% CaO, 12.7% to 18.70% MgO and 6.84% to 24.9% SiO₂,

Sandstone

Clean

[Signature]
भारतीय भू-वैज्ञानिक (लिमनाईट)
बाल एवं भू-विज्ञान विभाग
दोकाचक (राज.)

Sandstone of Dulmera has been an important source for Patti, Khanda, Katla and dimensional stones. The sandstone is of red colour and can be easily given shapes by chieseling. Sandstone is also found near Lalaji Ki Dhani in Nokha tel1sils.

Ochres

Ochres are mineral pigments in which iron acts as the colouring material either in the form of hematite (Red) or limonite (Yellow) or b~th. In Bikaner district ocheres have been known to occur in Mudh-Kolayat areas as pockets with clay deposits.

Potash

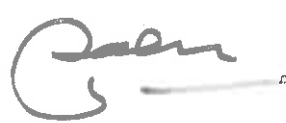
The discovery of Halite at Lakhasar ($28^{\circ}06' - 73^{\circ}52'$) in a drilling hole put there as a part of the UNDP Project by GSI has led to believe that potash minerals are occurring near Bikaner city. It is expected that the potash mineralization is extending further in the Bikaner district also, looking to the general geological setting of the area.

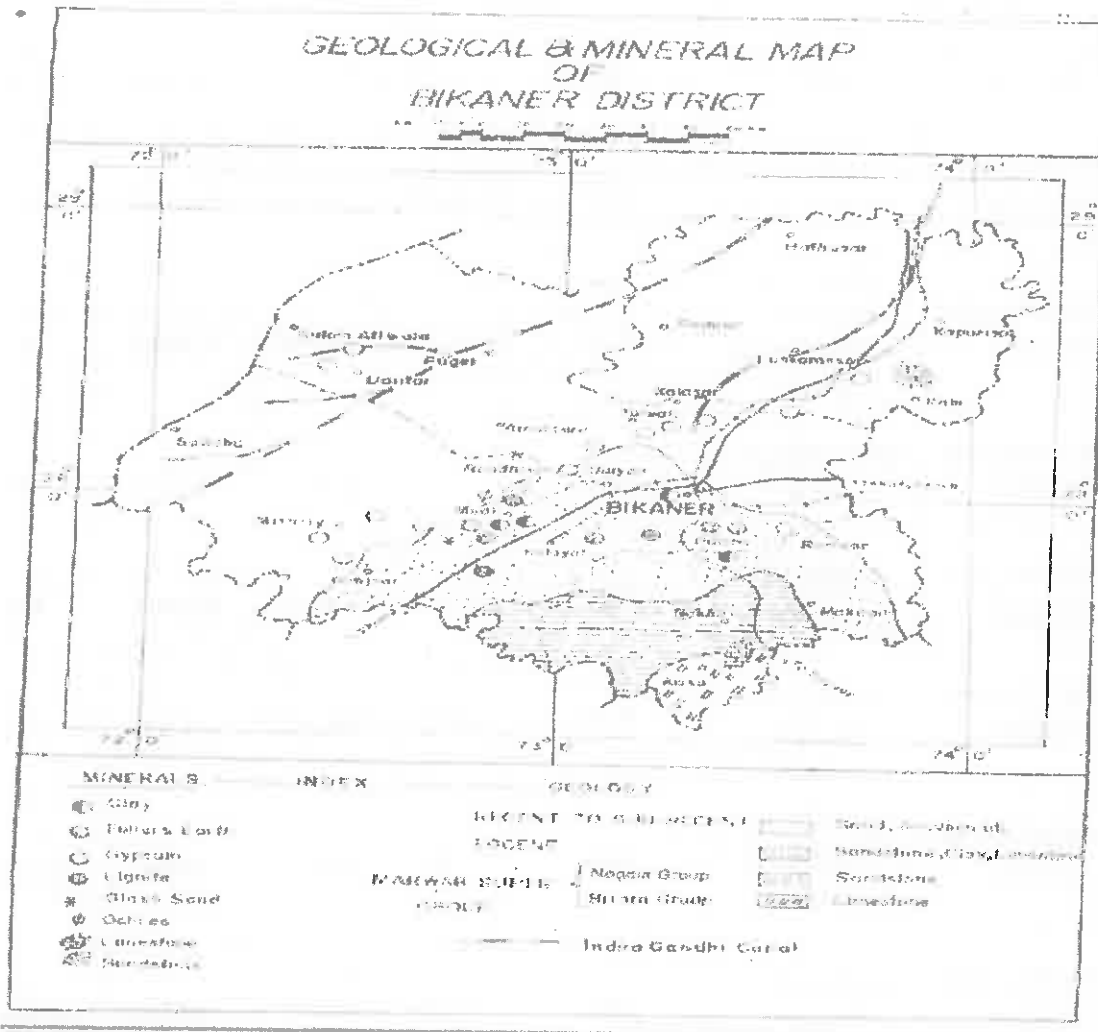
Bajri and Grit

These are clastic rocks consisting of medium size grains of silica, and found south of Bikaner city where it is being mined for building purpose. The paleochannel of river Saraswati can be good source of Bajri . Department has identified some areas by remote sensing study of imageries.

Glass Sand

Huge deposits of good quality glass sand are found near Mudh. The exposures are along the sides of the Nallah, presently being used by glass factory of Bikaner glass wares.




राजस्थान भू-वैज्ञानिक (सिग्नाईट)
ज्ञान एवं भू-विज्ञान विभाग
बीकानेर (राज०)



Mineral Bulletin

- (a) District wise detail of river or stream and other sand source
No river or stream found in the District.
- (b) District wise availability of sand or gravel or aggregate resources
- (c) District wise detail of existing mining lease of sand and aggregates -

Sl.no.	ML No.	Mine name	Name of mineral	Area	District	Tewhsil/Taluka	Village
1	ME/BKN/Minor/M L/19/1996	Krishan Gopal Gurjar	Bajri	2.28	Bikaner	Bikaner	2 Bsm



 राज्य भू-वैज्ञानिक (लिग्नाइट)
 खान एवं भू-विज्ञान विभाग
 बीकानेर (राज.)

2	ME/BKN/Minor/M L/20/1996	Krishan Gopal Gurjar	Bajri	3.79	Bikaner	Bikaner	2 Bsm
3	ME/BKN/Minor/M L/13/1998	Sh. Kalyan Singh Rajput	Bajri	2.28	Bikaner	Bikaner	Nal Chhoti
4	ME/BKN/Minor/M L/40/1996	Vijay Devi Gurjar W/O Krishan Gopal Gurjar	Bajri	3.79	Bikaner	Bikaner	1 Bsm
5	ME/BKN/Minor/M L/1/2000	Sanjay Kumar Daftari	Bajri	5	Bikaner	Bikaner	Bichwal
6	ME/BKN/Minor/M L/19/2000	Mahendra Bothara	Bajri	5	Bikaner	Bikaner	Bichwal
7	ME/BKN/Minor/M L/18/2000	Mahendra Bothara	Bajri	4.46	Bikaner	Bikaner	Bichwal
8	ME/BKN/Minor/M L/32/2006	Taparia Mines & Construction Company	Bajri	2	Bikaner	Nokha	Govindnagar
9	ME/BKN/Minor/M L/23/2007	Rohit Kumar Marothi	Bajri	2.8	Bikaner	Nokha	Govindnagar
10	ME/BKN/Minor/M L/59/1995	Deepak Rathi	Limestone	1.28	Bikaner	Nokha	Mandelia
11	ME/BKN/Minor/M L/56/2000	Shivam Chemical	Limestone	5	Bikaner	Nokha	Mandelia
12	ME/BKN/Minor/M L/1/2002	Narender Singh Shekawat S/O Narpat Singh	Masonarystone	1	Bikaner	Dungargar h	Badela
13	ME/BKN/Minor/M L/4/2004	Bhanwar Das Kamar	Masonarystone	1	Bikaner	Dungargar h	Badela


28	ME/BKN/Minor/M L/14/2009	Shree Balaji Mines And Minerals	Bajri	2.5	Bikaner	Kolayat	Jhajhu
29	ME/BKN/Minor/M L/184/2008	Amar Singh	Bajri	2.28	Bikaner	Kolayat	Hadla
30	ME/BKN/Minor/M L/41/2007	Kailash Ram	Limestone	4	Bikaner	Nokha	Mandelia
31	ME/BKN/Minor/M L/35/2009	Bhanwer Lal S/O Gopiram	Bajri	2	Bikaner	Kolayat	Hadla
32	ME/BKN/Minor/M L/2/2000	Vijaykumar Sevag	Bajri	5	Bikaner	Bikaner	Bichwal
33	ME/BKN/Minor/M L/24/2007	Hament Kumar Marothi	Bajri	2.88	Bikaner	Nokha	Govindnagar
34	ME/BKN/Minor/M L/44/2006	Kamla Devi Jatt	Masonarystone	1	Bikaner	Dungargar h	Badela
35	ME/BKN/Minor/M L/54/2009	Rakesh Dudi S/O Shreeprabhulal	Bajri	2.22	Bikaner	Bikaner	Nal Badi
36	ME/BKN/Minor/M L/173/2009	Rajani Devi Marothi	Limestone	4.25	Bikaner	Nokha	Mandeleya
37	ME/BKN/Minor/M L/174/2009	Marothi Cement Pvt.Ltd.	Limestone	4.2	Bikaner	Nokha	Mandelia
38	ME/BKN/Minor/M L/1/2010	Prakash Devi Swami	Bajri	3	Bikaner	Kolayat	Golary
39	ME/BKN/Minor/M L/2/2010	Tola Ram Jaat	Bajri	3.79	Bikaner	Kolayat	Jhajhu
40	ME/BKN/Minor/M L/32/2007	Prithvi Singh Jat	Masonarystone	1	Bikaner	Dungargar h	Badela

Caran

15/11/2019
 क्षेत्रीय भू-वैज्ञानिक (सिन्धु)
 नान एवं भू-विज्ञान विभाग
 बीकानेर (राज.)

52	ME/BKN/Minor/M L/45/2011	Bhawani Singh	Bajri	3.56	Bikaner	Nokha	Kishnasar
53	ME/BKN/Minor/M L/99/2010	Govind Ram Maghwal	Bajri	2.5	Bikaner	Kolayat	Jhajhu
54	ME/BKN/Minor/M L/30/2010	Richhpal Jatt	Bajri	4.65	Bikaner	Kolayat	Jhajhu
55	ME/BKN/Minor/M L/27/2010	Shish Ram Bola	Bajri	4.55	Bikaner	Kolayat	Jhajhu
56	ME/BKN/Minor/M L/168/2009	Ram Kumar Vyas	Limestone	4	Bikaner	Nokha	Mandeleya
57	ME/BKN/Minor/M L/92/2010	Sampat Lal Daga	Bajri	2.5	Bikaner	Kolayat	Indo Ka Bala
58	ME/BKN/Minor/M L/167/2009	Hanuman Ram Vishnoi	Limestone	4	Bikaner	Nokha	Mandeleya
59	ME/BKN/Minor/M L/28/2010	Ashoka Kumar	Bajri	2.27	Bikaner	Kolayat	Jhajhu
60	ME/BKN/Minor/M L/31/2010	Mamta Davi	Bajri	2	Bikaner	Kolayat	Jhajhu
61	ME/BKN/Minor/M L/52/2010	Girdhari Lal Bishino	Bajri	2.5	Bikaner	Kolayat	Jhajhu
62	ME/BKN/Minor/M L/44/2011	Shiv Lal Jatt	Bajri	3.52	Bikaner	Bikaner	Deshnok
63	ME/BKN/Minor/M L/29/2010	Vijendra Singh	Bajri	2.84	Bikaner	Kolayat	Jhajhu
64	ME/BKN/Minor/M L/58/2011	Jagdish Prasad Jatt	Bajri	2.52	Bikaner	Bikaner	Deshnok
65	ME/BKN/Minor/M L/57/2011	Shanti Devi	Bajri	2.3	Bikaner	Bikaner	Deshnok




 ॐ श्री गणेशाय नमः
 ज्ञान एवं भू-विज्ञान विभाग
 बीकानेर (राज.)

66	ME/BKN/Minor/M L/53/2011	Mahaveer Das Ramawat	Bajri	3	Bikaner	Bikaner	Deshnok
67	ME/BKN/Minor/M L/56/2011	Indian Mines Company Private Limited	Bajri	4	Bikaner	Bikaner	Deshnok
68	ME/BKN/Minor/M L/28/2011	Ganpati Mineral	Bajri	4.96	Bikaner	Kolayat	Hadla
69	ME/BKN/Minor/M L/33/2013	Incredible Rural Project Pvt-Ltd	Bajri	4	Bikaner	Kolayat	Jhajhu
70	ME/BKN/Minor/M L/40/2012	Dhirendra Pal Singh	Bajri	3	Bikaner	Kolayat	Jhajhu
71	ME/BKN/Minor/M L/15/2013	Arjun Ram Dholi	Bajri	2	Bikaner	Nokha	Udasar
72	ME/BKN/Minor/M L/21/2012	Moolch & Bothra S/O Pannalal Bothra	Fullers Earth	163.98	Bikaner	Kolayat	Mudh ,Guda
73	ME/BKN/Minor/M L/31/2013	Ratan Singh	Bajri	4	Bikaner	Kolayat	Jaimalsar
74	ME/BKN/Minor/M L/25/2012	Swastik Mines	Bajri	3	Bikaner	Nokha	Govind Nagar
75	ME/BKN/Minor/M L/17/2013	Bhanwer Lal Bishnoi	Bajri	4	Bikaner	Kolayat	Jhajhu
76	ME/BKN/Minor/M L/5/2012	Bajrang Beniwal	Bajri	4	Bikaner	Kolayat	Hadla Bhatiyar
77	ME/BKN/Minor/M L/18/2012	Jagdish Meghwal	Bajri	2	Bikaner	Nokha	Udasar
78	ME/BKN/Minor/M L/17/2012	Uma Ram Kumawat	Bajri	2	Bikaner	Nokha	Kishanasar



79	ME/BKN/Minor/M L/25/2013	Nand Lal Jangir	Bajri	4	Bikaner	Bikaner	Deshnok
80	ME/BKN/Minor/M L/13/2013	Najir Mohammad Teli	Bajri	2	Bikaner	Bikaner	Deshnok
81	ME/BKN/Minor/M L/18/2013	Mahendru	Bajri	3	Bikaner	Bikaner	Deshnok
82	ME/BKN/Minor/M L/4/2014	Premlata Gupta	Bajri	2	Bikaner	Kolayat	Indo Ka Bala
83	ME/BKN/Minor/M L/3/2014	Prem Lata Gupta	Bajri	2.25	Bikaner	Kolayat	Indo Ka Bala
84	ME/BKN/Minor/M L/13/2014	Jai Balaji Gravel Suppliers Prop Baldev Saharan	Bajri	4.5	Bikaner	Loonkaran sar	Hansera
85	ME/BKN/Minor/M L/38/2013	Kishen Lal Kuleria	Bajri	2.1	Bikaner	Loonkaran sar	Hansera
86	ME/BKN/Minor/M L/33/2007	Puja Chowdhary	Limestone	4.0	Bikaner	Nokha	Mandeliya

Document Complete

(Signature)

15/1/17
 अधीक्षण मू-वैज्ञानिक (विभागीय)
 ज्ञान एवं मू-विज्ञान विभाग
 श्रीकावेर (राज.)