

**Petrography & Mineral Chemistry Laboratory**

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**Office of the Commissioner of Geology & Mining**

Block No-15, Old Sachivalaya,  
Dr Jivraj Mehta Bhavan, Sector-10,  
Gandhinagar, Gujarat.

No. C.G.M./Lab/Pvt./Report/2023-24/ **2029**

Date: **13** /02/2024

✓ To,  
Geologist,  
Geology & Mining Department,  
Second Floor, Jilla Seva Sadan, Lalpur Bypass Road,  
Khambhadia, Dist. Devbhoomi Dwarka.

**Sub:** Chemical & Bulk Density Analysis Report of 151 Nos. Samples.

**Ref:** જીકેવ/ડીલીંગ સીમ/૨૦૨૩-૨૪/૨૮૬, તા: ૦૩/૦૨/૨૦૨૪.

With reference to the above find herewith Chemical & Bulk Density Analysis  
Report of 151 Nos. Samples.

**Note:**

1. The Sample was not collected by us.
2. Use of this report for legal or advertisement purpose is not permitted.
3. Sample was crushed and brought -100 B.S. mesh before analysis.
4. The sample will be destroyed after 3 months from the date of report.

Chemist (i/c) 13/02/24

Petrography & Mineral Chemistry Laboratory  
Gandhinagar

**Copy to Send:** (1) Senior Geologist (Exploration), Geology & Mining Department, Gandhinagar.  
(2) Vinayak Engimech Pvt. Ltd., Vastrapur-Ahmedabad.

**Enclose:** As Per Ref. letter No. an attached copy of Chemical & Bulk Density Analysis Report.

# Vinayk Engimech

Village: Jodhpur- Satapar Block, Devbhumi Dwaraka

Total Samples: 151 Samples

## Samples of Jodhpur-Satapara Block-Devbhumi Dwaraka-December-2023

Sr No.	B.H. No	Village	Sample No.	Lab Ref. No.	SiO2	Al2O3	Fe2O3	TiO2	CaO	MgO	Na2O	K2O	SO3	LOI	Total	Bulk Density	
					(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	1st stock	49th stock
1	JS-8	Satapara	JS-8/01	C/S/23-24/1828	13.57	26.31	2.68	2.50	21.75	0.23	0.00	0.26	0.06	32.34	99.70	0.800	1.026
2			JS-8/02	C/S/23-24/1829	17.69	28.92	22.96	2.06	7.74	0.10	0.00	0.09	0.06	20.00	99.62	0.727	0.909
3			JS-8/03	C/S/23-24/1830	13.75	27.94	24.71	2.38	7.52	0.12	0.00	0.04	0.05	23.19	99.70	0.769	1.053
4			JS-8/04	C/S/23-24/1831	18.47	27.06	11.61	2.17	13.23	0.23	0.20	0.20	0.06	26.54	99.77	0.755	0.976
5			JS-8/05	C/S/23-24/1832	26.30	26.93	26.90	1.43	3.79	0.14	0.13	0.03	0.05	14.05	99.75	0.625	0.816
6			JS-8/06	C/S/23-24/1833	32.58	31.02	19.48	1.31	1.95	0.12	0.10	0.03	0.04	13.20	99.83	0.519	0.678
7			JS-8/07	C/S/23-24/1834	33.72	31.55	19.43	1.50	0.78	0.12	0.11	0.02	0.00	12.58	99.81	0.533	0.690
8			JS-8/08	C/S/23-24/1835	36.54	32.43	16.18	1.40	0.38	0.15	0.11	0.02	0.03	12.63	99.87	0.533	0.702
9			JS-8/09	C/S/23-24/1836	34.87	30.61	19.13	1.56	0.28	0.14	0.00	0.02	0.02	13.14	99.77	0.548	0.625
10			JS-8/10	C/S/23-24/1837	32.44	29.78	19.52	1.30	2.12	0.15	0.12	0.02	0.03	14.33	99.81	0.588	0.741
11			JS-8/11	C/S/23-24/1838	34.95	31.77	17.57	1.55	0.72	0.14	0.13	0.02	0.00	12.97	99.82	0.556	0.690
12			JS-10/01	C/S/23-24/1839	19.60	15.93	6.38	0.74	20.86	0.22	0.00	0.21	0.13	35.59	99.66	0.870	1.176
13			JS-10/02	C/S/23-24/1840	13.49	6.45	6.93	0.63	38.78	0.68	0.22	0.42	0.08	31.96	99.64	0.930	1.111
14			JS-10/03	C/S/23-24/1841	11.51	5.63	8.55	0.51	38.37	0.71	0.20	0.47	0.08	33.62	99.65	0.800	1.111
15			JS-10/04	C/S/23-24/1842	30.01	12.75	9.03	1.03	13.25	1.20	0.46	1.37	0.10	30.49	99.69	0.741	0.976
16			JS-10/05	C/S/23-24/1843	38.10	17.94	11.67	1.52	12.92	1.70	0.68	1.88	0.00	13.25	99.66	0.800	1.053
17			JS-10/06	C/S/23-24/1844	50.81	20.01	13.64	1.63	2.22	1.57	0.86	1.96	0.32	6.63	99.65	0.952	1.176
18			JS-10/07	C/S/23-24/1845	56.51	18.95	10.60	1.59	1.03	1.36	0.75	1.95	0.20	6.42	99.36	0.833	1.111
19			JS-10/08	C/S/23-24/1846	53.98	20.03	10.26	1.59	1.35	1.32	0.88	1.86	1.39	7.04	99.70	0.833	1.111
20	JS-10	Satapara	JS-10/09	C/S/23-24/1847	53.33	18.18	11.84	1.43	1.45	1.25	0.84	1.87	2.18	7.14	99.51	0.784	1.026
21			JS-10/10	C/S/23-24/1848	51.86	20.26	8.64	1.48	1.70	1.26	0.91	2.05	2.79	8.75	99.70	0.784	1.053
22			JS-10/11	C/S/23-24/1849	54.55	22.44	7.04	1.56	1.25	1.38	0.94	1.94	2.35	8.31	99.76	0.833	1.053
23			JS-10/12	C/S/23-24/1850	52.41	22.13	6.64	1.68	1.21	1.40	1.10	1.96	2.11	8.95	99.59	0.741	0.976
24			JS-10/13	C/S/23-24/1851	41.23	18.91	8.91	1.37	9.86	1.21	0.94	1.64	2.11	13.22	99.40	0.833	1.111
25			JS-10/14	C/S/23-24/1852	15.76	6.42	3.89	0.63	39.65	1.01	0.00	0.90	0.00	31.16	99.42	0.678	0.870
26			JS-10/15	C/S/23-24/1853	14.13	5.99	4.21	0.49	39.38	0.99	0.50	0.86	0.24	32.97	99.76	0.690	0.909
27			JS-11/01	C/S/23-24/1854	7.63	3.61	7.11	0.31	43.04	0.53	0.08	0.24	0.06	36.90	99.51	0.851	1.111
28			JS-11/02	C/S/23-24/1855	50.54	17.43	12.11	1.63	5.71	1.20	0.31	1.58	0.13	8.98	99.62	0.870	1.111
29			JS-11/03	C/S/23-24/1856	43.81	20.88	18.00	2.25	2.48	1.32	0.34	1.84	0.11	8.66	99.69	0.769	1.000
30	JS-11	Satapara	JS-11/04	C/S/23-24/1857	49.63	20.73	13.90	1.75	1.48	1.14	0.29	1.33	0.28	8.65	99.18	0.800	1.000
31			JS-11/05	C/S/23-24/1858	52.24	22.43	9.67	1.84	1.27	1.20	0.27	1.59	0.25	8.26	99.02	0.741	0.930
32			JS-11/06	C/S/23-24/1859	53.70	20.06	8.95	1.87	2.05	1.24	0.00	1.94	1.14	8.41	99.36	0.755	0.976
33			JS-11/07	C/S/23-24/1860	54.34	21.39	7.76	1.92	1.37	1.31	0.35	1.90	0.86	8.37	99.57	0.769	1.000
34			JS-11/08	C/S/23-24/1861	51.21	21.29	9.87	1.72	1.35	1.32	0.44	1.96	1.29	9.13	99.58	0.769	0.976

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35		J5-11/09	C/S/23-24/1862	48.04	20.33	9.28	1.61	4.84	1.38	0.00	2.15	0.86	10.75	99.24	0.741	0.952
36		J5-11/10	C/S/23-24/1863	48.19	18.82	9.45	1.36	5.38	1.82	0.51	3.48	0.13	10.47	99.61	0.714	0.909
37		J5-11/11	C/S/23-24/1864	32.45	14.20	7.27	1.04	18.55	1.42	0.36	2.00	0.23	21.98	99.50	0.690	0.909
38		J5-11/12	C/S/23-24/1865	33.03	12.38	7.09	0.99	20.83	1.60	0.38	2.38	0.10	20.87	99.65	0.667	0.833
39		J5-11/13	C/S/23-24/1866	15.19	6.83	6.69	0.55	36.31	1.34	0.00	0.93	0.11	31.55	99.50	0.667	0.816
40		J5-3/01	C/S/23-24/1867	9.00	4.93	5.41	0.41	40.59	0.76	0.19	0.44	0.07	37.88	99.68	0.800	1.053
41		J5-3/02	C/S/23-24/1868	9.74	5.22	5.02	0.42	42.03	0.84	0.26	0.45	0.05	35.73	99.76	0.800	1.053
42		J5-3/03	C/S/23-24/1869	13.50	6.16	5.85	0.57	42.14	0.89	0.31	0.60	0.00	29.67	99.69	0.870	1.053
43		J5-3/04	C/S/23-24/1870	53.13	14.64	9.41	1.68	8.57	1.28	0.70	1.58	0.10	8.61	99.70	0.889	1.176
44		J5-3/05	C/S/23-24/1871	52.60	15.57	8.75	1.61	8.53	1.36	0.88	1.65	0.12	8.64	99.71	0.909	1.176
45		J5-3/06	C/S/23-24/1872	55.87	17.85	11.33	1.73	2.25	1.37	0.85	1.85	0.14	6.46	99.70	0.889	1.176
46		J5-3/07	C/S/23-24/1873	56.76	18.19	10.89	1.63	2.15	1.39	0.99	1.90	0.00	5.81	99.71	0.909	1.212
47	J5-3	J5-3/08	C/S/23-24/1874	52.78	19.85	10.56	1.82	2.93	1.40	1.09	1.88	0.21	7.01	99.53	0.800	1.053
48		J5-3/09	C/S/23-24/1875	55.33	20.35	9.92	1.86	1.45	1.41	1.09	1.96	0.00	6.38	99.75	0.833	1.111
49		J5-3/10	C/S/23-24/1876	26.45	10.43	4.60	0.81	28.04	1.11	0.71	1.40	0.00	26.26	99.81	0.667	0.870
50		J5-3/11	C/S/23-24/1877	29.03	10.85	5.57	0.82	26.23	1.40	0.73	1.65	0.15	23.11	99.54	0.690	0.870
51		J5-3/12	C/S/23-24/1878	33.77	13.20	8.30	1.00	20.97	1.28	0.76	1.75	0.18	18.38	99.59	0.702	0.889
52		J5-3/13	C/S/23-24/1879	35.79	14.38	7.35	1.05	17.57	1.26	0.80	1.96	0.28	19.27	99.71	0.678	0.851
53		J5-3/14	C/S/23-24/1880	49.85	23.01	10.39	1.44	1.53	1.27	1.04	2.84	0.20	8.16	99.73	0.678	0.889
54		J5-3/15	C/S/23-24/1881	50.01	24.06	9.58	1.30	1.00	1.20	0.94	3.09	0.19	8.31	99.68	0.727	0.870
55		J5-4/01	C/S/23-24/1882	8.64	4.87	5.03	0.34	42.03	0.63	0.17	0.38	0.08	37.56	99.73	0.851	1.176
56		J5-4/02	C/S/23-24/1883	9.41	5.73	8.19	0.48	39.31	0.78	0.22	0.32	0.09	35.11	99.64	0.889	1.176
57		J5-4/03	C/S/23-24/1884	11.45	5.42	8.24	0.50	39.04	0.72	0.14	0.37	0.05	33.65	99.58	0.952	1.176
58		J5-4/04	C/S/23-24/1885	47.54	20.03	14.25	1.93	3.09	1.55	0.46	1.63	0.04	9.19	99.71	0.714	0.909
59		J5-4/05	C/S/23-24/1886	51.15	20.05	13.94	2.17	1.10	1.48	0.50	1.52	0.06	7.76	99.73	0.870	1.143
60		J5-4/06	C/S/23-24/1887	51.65	19.70	12.80	1.70	1.81	1.67	0.55	1.84	0.07	7.92	99.71	0.833	1.000
61	J5-4	J5-4/07	C/S/23-24/1888	44.41	19.01	15.72	1.44	3.69	1.63	0.67	1.72	0.76	10.27	99.32	0.870	1.026
62		J5-4/08	C/S/23-24/1889	43.35	18.31	16.50	1.48	4.18	1.59	0.75	1.72	1.19	10.26	99.33	0.755	0.952
63		J5-4/09	C/S/23-24/1890	33.82	14.14	33.69	1.08	1.29	1.46	0.64	1.37	1.53	10.23	99.25	0.769	0.976
64		J5-4/10	C/S/23-24/1891	35.46	14.78	33.57	0.82	0.60	1.37	0.54	1.71	0.69	9.63	99.17	0.755	0.952
65		J5-4/11	C/S/23-24/1892	35.33	13.99	32.29	0.88	2.75	1.52	0.52	1.76	0.29	9.89	99.22	0.727	0.889
66		J5-4/12	C/S/23-24/1893	28.86	11.47	12.29	0.80	20.38	1.43	0.43	1.56	0.21	22.12	99.55	0.678	0.851
67		J5-4/13	C/S/23-24/1894	39.37	16.14	20.38	1.41	6.39	1.48	0.44	1.66	0.31	11.90	99.48	0.741	0.930
68		J5-4/14	C/S/23-24/1895	33.90	12.18	10.08	0.99	18.71	1.46	0.39	1.78	0.17	19.93	99.59	0.690	0.870
69		J5-4/15	C/S/23-24/1896	34.01	12.47	8.87	1.00	19.58	1.41	0.44	1.88	0.14	19.86	99.66	0.690	0.870
70		J5-1/01	C/S/23-24/1897	9.35	5.02	3.19	0.36	43.84	0.91	0.19	0.62	0.07	36.27	99.82	0.769	1.026
71		J5-1/02	C/S/23-24/1898	7.38	3.48	5.74	0.35	44.42	0.62	0.09	0.26	0.00	37.20	99.54	0.851	1.143
72		J5-1/03	C/S/23-24/1899	19.26	8.49	10.66	0.76	30.36	1.15	0.00	0.75	0.06	28.00	99.49	0.714	0.833
73		J5-1/04	C/S/23-24/1900	31.77	13.22	11.27	1.10	18.86	1.32	0.23	1.30	0.00	20.55	99.62	0.727	0.909
74	J5-1	J5-1/05	C/S/23-24/1901	22.52	9.34	12.13	0.84	26.64	1.26	0.22	1.08	0.08	25.38	99.49	0.800	1.053
75		J5-1/06	C/S/23-24/1902	46.94	19.38	15.27	1.81	2.68	1.50	0.38	1.61	0.11	9.94	99.62	0.741	1.000
76		J5-1/07	C/S/23-24/1903	45.71	18.35	15.68	1.69	4.29	1.49	0.00	1.65	0.00	10.49	99.35	0.800	1.053
77		J5-1/08	C/S/23-24/1904	42.82	17.50	11.98	1.51	7.92	1.52	0.44	2.02	1.09	12.64	99.44	0.769	1.000



78		JS-1/09	C/S/23-24/1905	45.40	18.94	12.35	1.53	3.84	1.53	0.44	2.18	2.76	10.54	99.51	0.690	0.952
79		JS-1/10	C/S/23-24/1906	49.42	19.22	11.57	1.19	2.54	1.43	0.49	2.44	2.34	8.81	99.45	0.690	0.952
80		JS-1/11	C/S/23-24/1907	40.70	19.02	15.57	1.19	4.92	1.48	0.54	2.29	4.09	9.80	99.60	0.769	0.952
81		JS-2/01	C/S/23-24/1908	6.01	2.70	5.19	0.30	45.96	0.56	0.09	0.25	0.07	38.52	99.65	0.870	1.290
82		JS-2/02	C/S/23-24/1909	5.51	3.96	5.23	0.31	45.50	0.58	0.10	0.28	0.07	38.15	99.69	0.870	1.290
83		JS-2/03	C/S/23-24/1910	5.94	3.52	5.67	0.29	44.56	0.53	0.10	0.19	0.05	38.79	99.64	0.851	1.212
84		JS-2/04	C/S/23-24/1911	12.82	5.22	6.67	0.61	40.84	0.65	0.13	0.50	0.07	31.97	99.48	0.870	1.212
85		JS-2/05	C/S/23-24/1912	42.31	16.08	16.76	1.47	8.29	1.43	0.00	1.51	0.29	11.18	99.32	0.800	1.000
86		JS-2/06	C/S/23-24/1913	52.18	18.79	15.34	1.80	1.31	1.41	0.34	1.83	0.09	6.61	99.70	0.833	1.053
87		JS-2/07	C/S/23-24/1914	48.28	18.15	19.10	1.72	1.50	1.35	0.32	1.39	0.10	7.66	99.57	0.909	1.111
88		JS-2/08	C/S/23-24/1915	46.63	16.62	18.96	1.66	3.30	1.35	0.37	1.71	0.11	8.93	99.64	0.833	1.000
89		JS-2/09	C/S/23-24/1916	37.88	16.70	27.22	0.86	2.54	1.40	0.40	1.78	0.19	10.07	99.04	0.769	1.000
90		JS-2/10	C/S/23-24/1917	53.40	22.61	8.02	1.41	1.31	1.18	0.37	3.02	0.00	8.41	99.73	0.645	0.769
91		JS-2/11	C/S/23-24/1918	55.97	20.99	8.25	1.46	0.78	1.12	0.43	2.82	0.09	7.78	99.69	0.625	0.769
92		JS-2/12	C/S/23-24/1919	39.52	16.91	10.48	1.10	12.39	1.08	0.34	1.80	0.44	15.65	99.71	0.714	0.870
93		JS-2/13	C/S/23-24/1920	24.10	10.86	7.63	0.79	28.34	0.87	0.25	1.18	0.14	25.64	99.80	0.741	0.909
94		JS-2/14	C/S/23-24/1921	11.75	5.33	3.23	0.41	42.39	0.64	0.13	0.65	0.00	35.21	99.74	0.714	0.909
95		JS-6/01	C/S/23-24/1922	7.79	4.44	5.71	0.33	43.85	0.77	0.15	0.45	0.00	36.16	99.65	0.833	1.000
96		JS-6/02	C/S/23-24/1923	9.34	4.84	3.81	0.37	43.91	0.89	0.10	0.66	0.06	35.75	99.73	0.769	0.952
97		JS-6/03	C/S/23-24/1924	5.73	3.29	3.27	0.25	47.45	0.71	0.05	0.39	0.05	38.52	99.71	0.870	1.053
98		JS-6/04	C/S/23-24/1925	45.59	16.37	11.94	1.74	9.55	1.38	0.40	1.74	0.08	10.92	99.71	0.800	0.952
99		JS-6/05	C/S/23-24/1926	49.86	19.35	15.25	1.74	1.48	1.41	0.40	1.93	0.09	8.14	99.65	0.769	1.000
100		JS-6/06	C/S/23-24/1927	50.21	19.92	12.19	1.63	1.86	1.29	0.55	2.03	1.64	8.32	99.64	0.800	1.000
101		JS-6/07	C/S/23-24/1928	54.62	20.13	9.31	1.64	1.50	1.38	0.38	2.21	0.20	8.41	99.78	0.690	0.870
102		JS-6/08	C/S/23-24/1929	54.96	20.46	9.39	1.65	0.82	1.35	0.41	2.42	0.11	8.15	99.72	0.667	0.833
103		JS-6/09	C/S/23-24/1930	52.60	19.99	8.47	1.49	2.38	1.47	0.52	2.23	0.73	9.83	99.71	0.690	0.870
104		JS-6/10	C/S/23-24/1931	40.18	17.20	15.29	1.46	8.53	1.24	0.42	1.74	0.25	13.32	99.63	0.714	0.909
105		JS-6/11	C/S/23-24/1932	16.63	7.51	3.28	0.54	37.60	0.82	0.21	0.90	0.10	32.23	99.82	0.690	0.870
106		JS-6/12	C/S/23-24/1933	29.05	12.37	6.71	0.92	23.77	1.44	0.29	1.84	0.12	23.25	99.76	0.645	0.800
107		JS-5/01	C/S/23-24/1934	10.53	5.24	8.60	0.46	39.83	0.70	0.00	0.44	0.12	33.63	99.55	0.833	1.111
108		JS-5/02	C/S/23-24/1935	18.90	8.51	7.99	0.88	35.53	0.95	0.24	0.83	0.19	25.65	99.67	0.769	1.000
109		JS-5/03	C/S/23-24/1936	41.86	16.72	13.99	1.62	9.44	1.43	0.00	1.60	0.10	12.60	99.36	0.741	1.000
110		JS-5/04	C/S/23-24/1937	46.89	16.60	14.64	1.49	6.01	1.55	0.49	1.80	0.11	9.94	99.52	0.741	1.026
111		JS-5/05	C/S/23-24/1938	58.00	17.90	10.78	1.42	1.06	1.42	0.00	2.04	0.10	6.60	99.32	0.816	1.000
112		JS-5/06	C/S/23-24/1939	54.05	18.40	11.92	1.51	2.26	1.44	0.47	1.96	0.00	7.60	99.61	0.784	1.000
113		JS-5/07	C/S/23-24/1940	46.76	22.55	14.11	1.84	1.04	1.53	0.55	1.99	0.38	8.94	99.69	0.727	0.930
114		JS-5/08	C/S/23-24/1941	50.89	20.13	11.93	1.68	1.27	1.42	0.50	1.86	0.62	9.45	99.75	0.714	0.930
115		JS-5/09	C/S/23-24/1942	50.34	20.55	12.86	1.52	1.25	1.34	0.50	1.87	0.48	8.88	99.59	0.755	0.952
116		JS-5/10	C/S/23-24/1943	38.07	16.12	28.24	0.89	1.12	1.39	0.53	1.54	0.81	10.30	99.01	0.755	0.952
117		JS-5/11	C/S/23-24/1944	51.29	19.89	8.94	1.23	2.34	1.28	0.48	2.54	2.92	8.83	99.74	0.714	0.889

118			JS-5/12	C/S/23-24/1945	50.69	19.14	9.68	1.28	2.62	1.20	0.46	2.48	3.08	9.10	99.73	0.678	0.870
119			JS-5/13	C/S/23-24/1946	55.92	20.12	8.40	1.42	1.49	1.09	0.51	2.84	0.00	7.94	99.73	0.656	0.833
120			JS-5/14	C/S/23-24/1947	26.99	10.51	5.68	0.92	27.31	0.98	0.35	1.50	1.28	24.14	99.66	0.635	0.800
121			JS-5/15	C/S/23-24/1948	23.52	9.23	4.93	0.77	31.21	0.97	0.33	1.31	1.54	25.89	99.70	0.635	0.784
122			JS-9/01	C/S/23-24/1949	5.17	2.35	7.49	0.26	44.89	0.51	0.12	0.20	0.14	38.50	99.63	0.909	1.250
123			JS-9/02	C/S/23-24/1950	47.26	19.00	12.45	1.57	4.07	1.39	0.87	1.57	1.08	10.17	99.43	0.816	1.053
124			JS-9/03	C/S/23-24/1951	45.37	17.19	16.94	1.56	4.56	1.34	0.95	1.42	1.08	9.27	99.68	0.930	1.143
125			JS-9/04	C/S/23-24/1952	57.97	18.86	9.68	1.45	1.22	1.30	1.02	1.78	0.40	5.99	99.67	0.952	1.176
126			JS-9/05	C/S/23-24/1953	57.12	17.55	11.28	1.50	1.40	1.32	0.95	1.79	0.00	6.81	99.72	0.952	1.111
127			JS-9/06	C/S/23-24/1954	52.42	19.49	12.36	1.75	0.91	1.40	1.10	1.86	0.44	7.91	99.64	0.870	1.053
128			JS-9/07	C/S/23-24/1955	48.15	21.75	11.95	1.29	1.05	1.46	1.06	1.84	1.18	9.94	99.67	0.769	1.000
129	JS-9	Satapara	JS-9/08	C/S/23-24/1956	48.87	20.87	10.77	1.32	0.78	1.51	1.10	2.29	1.86	10.27	99.64	0.800	1.000
130			JS-9/09	C/S/23-24/1957	41.32	16.96	16.24	1.08	3.34	1.36	1.05	2.16	4.55	11.56	99.62	0.755	0.976
131			JS-9/10	C/S/23-24/1958	32.94	14.71	16.47	0.84	9.48	1.35	0.99	1.93	6.25	14.13	99.09	0.702	0.930
132			JS-9/11	C/S/23-24/1959	29.17	14.21	14.24	0.75	16.38	1.63	0.86	1.95	0.98	18.95	99.12	0.625	0.800
133			JS-9/12	C/S/23-24/1960	37.19	14.30	8.60	1.04	15.56	1.70	0.82	2.47	0.29	17.52	99.49	0.667	0.870
134			JS-9/13	C/S/23-24/1961	39.63	14.86	8.60	1.07	14.26	1.72	0.92	2.46	0.00	16.24	99.76	0.690	0.870
135			JS-9/14	C/S/23-24/1962	40.72	14.21	7.84	1.02	14.25	1.84	0.98	2.48	0.20	16.16	99.70	0.635	0.800
136			JS-9/15	C/S/23-24/1963	27.46	10.62	7.28	0.82	25.08	1.59	0.74	1.75	0.26	23.99	99.59	0.645	0.833
137			JS-7/01	C/S/23-24/1964	13.37	5.79	8.23	0.54	36.67	1.43	0.29	0.68	0.12	32.55	99.67	0.800	1.111
138			JS-7/02	C/S/23-24/1965	10.76	5.24	8.86	0.41	38.46	0.78	0.17	0.41	0.07	34.41	99.57	0.833	1.111
139			JS-7/03	C/S/23-24/1966	54.28	17.38	11.72	1.85	2.80	1.46	0.47	1.89	0.16	7.45	99.46	0.800	1.053
140			JS-7/04	C/S/23-24/1967	52.58	19.38	10.65	1.84	2.41	1.41	0.50	1.91	0.19	8.80	99.67	0.800	1.026
141			JS-7/05	C/S/23-24/1968	51.98	19.24	12.67	1.70	1.26	1.32	0.58	1.81	0.61	8.45	99.62	0.800	1.026
142			JS-7/06	C/S/23-24/1969	43.85	17.48	21.80	1.41	1.32	1.34	0.59	1.53	0.57	9.55	99.44	0.784	1.026
143			JS-7/07	C/S/23-24/1970	49.72	21.94	12.56	1.87	1.19	1.51	0.54	2.13	0.17	8.06	99.69	0.769	0.976
144	JS-7	Satapara	JS-7/08	C/S/23-24/1971	52.69	22.61	6.74	1.32	0.82	1.15	0.54	2.88	0.33	10.65	99.73	0.667	0.833
145			JS-7/09	C/S/23-24/1972	52.74	21.55	9.56	1.35	1.03	1.19	0.60	2.47	0.14	9.12	99.75	0.678	0.851
146			JS-7/10	C/S/23-24/1973	35.81	16.39	7.64	1.06	16.12	1.36	0.51	2.25	0.13	18.40	99.67	0.656	0.833
147			JS-7/11	C/S/23-24/1974	50.21	21.32	11.76	1.28	1.29	1.34	0.57	2.18	0.00	9.76	99.71	0.678	0.870
148			JS-7/12	C/S/23-24/1975	44.35	19.16	7.21	1.17	9.47	1.22	0.50	2.33	0.45	13.77	99.63	0.727	0.952
149			JS-7/13	C/S/23-24/1976	18.99	8.81	3.29	0.57	33.45	0.99	0.62	1.03	0.16	31.88	99.79	0.678	0.870
150			JS-7/14	C/S/23-24/1977	22.37	9.25	6.87	0.74	28.51	2.46	0.57	1.35	0.16	27.51	99.79	0.606	0.769
151			JS-7/15	C/S/23-24/1978	27.51	11.49	7.99	0.92	23.10	2.40	0.58	1.72	0.15	23.87	99.73	0.606	0.769

Note: The Elemental analysis of samples performed on XRF Analysis.

  
Chemist (I/C)