

Government of Bihar
Department of Mines & Geology

**Directory of
Functions & Duties
of the Department & Officers & Employees**

**Vikas Bhawan,
Patna**

□ **The Particulars of the Organisation**

- A full fledged Deptt. of Mines & Geology was established in the year 1964 for proper management, development and administration of mineral resources which in turn warranted extensive and intensive geological exploration in the State.

- In Short span of its existence, the Deptt. of Mines & Geology diverted all its energy and resources in the mineral exploration and exploitation in order to improve the economy of the State as well as the national economy.

□ **Functions & Duties**

The main functions of the Deptt. of Mines & Geology is :-

- To grant mining leases and prospecting licenses under the different Acts of Government of India.
- Administration of other required and related acts on minerals.
- To collect revenue on the different minerals occurred within the State.
- To investigate and explore different mineral deposits with their reserve estimation as well as geo-environmental studies with special reference to flood control.

❑ The norms set by it for the discharge of its function

The Officers and employees of the department discharges its function under various rules, regulation and different notifications, amendments issued by the Govt. for that purpose.

➤ **Rules & Regulations for discharging functions of the Deptt. of Mines & Geology.**

- **The rules & regulation held by the Deptt. of Mines & Geology used by its officers & employees for discharging their function.**
 - Mines & Minerals Development and (Regulation) Act 1957.
 - Mineral Concession Rules, 1960
 - Bihar Minor Mineral Concession Rules, 1972.
 - Mineral Conservation & Development Rules, 1988.
 - Bihar Minerals (Prevention of Illegal Mining, Transportation & Storage) Rules, 2003.

□ **Organisational Setup**

Minister	-	Sri Sushil Kumar Modi, Hon'ble Dy. Chief Minister- cum-Minister, Mines & Geology Deptt.
Secretary	-	Sri Ajit Kumar, I.A.S., Mines Commissioner- cum-Secretary,
Addl. Secretary	-	Sri Narayan Murti, I.A.S., Addl. Secretary to Govt.
Under Secretary	-	Sri Prabhuvan Prasad, Under Secretary to Govt.
Director	-	Sri Narayan Murti, I.A.S., Director, Mines / Geology.
Dy. Director	-	Sri Jai Prakash Singh, Dy. Director, Data Bank.
Dy. Director	-	Sri Sanjay Kumar, Dy. Director, Geology, Hq.
Section Officer	-	Sri Ramanuj Prasad, Section – I
Section Officer	-	Sri Sudhir Prasad, Section –II

□ **Organisational Structure of the Department**

➤ The Department of Mines & Geology, Government of Bihar functions with the help of

- Directorate of Mines
- Directorate of Geology

➤ **Directorate of Mines**

- The Directorate of Mines is responsible for granting mining leases and prospecting licenses under the different Acts of Government of India.
- Administration of other required and related acts on minerals.
- To collect revenue on the different minerals occurred within the State.
 - Dy. Director, Mines, Patna Circle, Patna
 - Dy. Director, Mines, Saran Circle, Chapra
 - Dy. Director, Mines, Bhagalpur Circle, Bhagalpur
 - Dy. Director, Mines, Saharsa Circle, Saharsa
 - Dy. Director, Mines, Muzaffarpur Circle, Muzaffarpur
 - Dy. Director, Mines, Magadh Circle, Gaya.

➤ **Directorate of Geology**

- The Directorate of Geology is responsible for the exploration of minerals, estimation of reserve of minerals, geo-environment studies.
- The different field offices in the directorate of Geology as follows:-
 - North Bihar Circle – Muzaffarpur
 - Bhagalpur Circle – Bhagalpur
 - District Geological Office - Munger

□ **Data Bank & Publication Cell**

➤ The Department has a Data Bank and Publication Cell with a view to provide data regarding mineral production, dispatch of mineral and related geological & mining information to the entrepreneurs.

□ **List of Officers of Deptt. of Mines & Geology**

Sl.No.	Name of Officer	Designation	Pay Scale	Jurisdiction	Power & Duties
1	2	3	4	5	6
1	Sri Naresh Narayan Singh	Dy. Director, Geology, Bhagalpur Circle, Bhagalpur	10000-15200	Bhagalpur, Banka, Munger, Jamui, Lakhisarai	Supervision of the exploration of minerals and estimation of reserve of minerals, etc.
2	Sri Ashok Kumar Verma	Dy. Director, Geology, North Bihar Circle, Muzaffarpur	10000-15200	Entire North Bihar	-do-
3	Sri Jai Prakash Singh	Dy. Director, Data Bank & Publication Cell	10000-15200	Entire State	To provide data regarding mineral production, dispatch of minerals & related geological mining information to entrepreneurs. To monitor & evaluate the mineral revenue collection. Publication of reports.
4	Sri Sanjay Kumar I	Dy. Director, Hq.	10000-15200	Entire State	To monitor geological exploration & other related geological works.

Sl. No	Name of Officer	Designation	Pay Scale	Jurisdiction	Power & Duties
1	2	3	4	5	6
1	Sri Biswajit Da	Dy. Director, Mines, Patna Circle & Distt. Mining Officer, Patna.	6500-10500	Rohtas, Bhabhua, Bhojpur, Buxer, Nalanda	To recommend mining leases, Collection of Revenue, Administratoin of required & related acts on minerals.
2	Sri N.N. Singh	Dy. Director, Mines, Bhagalpur Circle	10000-15200	Bhagalpur, Banka, Munger, Jamui, Lakhisarai, Shiekhpora	-do-
3	Sri L.P. Sahu	Dy. Director, Mines, Magadh Circle	10000-15200	Gaya, Arwal, Aurangabad, Nawada	-do-
4	Sri Ashok Kumar Verma	Dy. Director, Mines, North Bihar Circle	10000-15200	Muzaffarpur, Darbhanga, Madhubani, Samastipur, Sitamarhi, Bettiah, Motihari	-do-
5	Sri Surendra Mahto	Dy. Director, Mines, Saharsa Circle	6500-10500	Bhagalpur, Khagaria, Purnea, Katihar, Saharsa, Supaul, Madhepura	-do-
6	Sri Arjun Prasad	Dy. Director, Mines, Saran & A.M.O. Gopalganj	6500-10500	Saran, Siwan, Gopalganj, Vaishali	-do-

Sl.No.	Name of Officer	Designation	Pay Scale	Jurisdiction	Power & Duties
1	2	3	4	5	6
1	Sri Sanjay Kumar Singh	A.M.O., Rohtas	6500-10500	Rohtas	To recommend mining leases, Collection of Revenue, Administratoin of required & related acts on minerals.
2	Sri Kamleshwar Rajak	A.M.O. In-Charge, Bhabhua	5500-9000	Bhabhua	-do-
3	Sri Chandra Mohan Prakash	A.M.O. In-Charge Bhojpur, Buxer	5500-9000	Bhojpur, Buxer	-do-
4	Sri Sudhir Kumar	A.M.O., Nalanda	10000-15200	Nalanda	-do-
5	Sri Surendra Mahto	A.M.O., Bhagalpur, Banka	6500-10500	Bhagalpur, Banka	-do-
6	Sri Upendra Kumar Singh	A.M.O. In-Charge, Munger	5500-9000	Munger	-do-
7	Sri Ravindra Kumar Singh	A.M.O. In-Charge, Lakhisarai, Jamui	5500-9000	Lakhisarai, Jamui	-do-
8	Sri Ghanshyam Jha	A.M.O., Shiekhpora	6500-10500	Shiekhpora	-do-
9	Sri Sanjay Kumar-II	A.M.O., Gaya	10000-15200	Gaya	-do-
10	Sri Pradip Chandra	A.M.O, In-Charge, Jehanabad, Arwal	5500-9000	Jehanabad, Arwal	-do-
11	Dr. U.K. Sinha	A.M.O, Aurangabad	6500-10500	Aurangabad	-do-
12	Sri Shyam Narayan Singh	A.M.O., Nawada	5500-9000	Nawada	-do-
13	Sri Arjun Prasad	A.M.O., Gopalganj	6500-10500	Gopalganj	-do-

14	Sri Hari Mohan Das	A.M.O., Saran, Vaishali & Siwan	6500-10500	Saran, Siwan, Vaishali	-do-
15	Sri Jhakari Ram	A.M.O., Muzaffarpur	6500-10500	Muzaffarpur	-do-
16	Sri Suresh Chandra	A.M.O., Darbhanga	5500-9000	Darbhanga	-do-
17	Sri Birendra Kumar Yadav	A.M.O., In- Charge, Madhubani	5500-9000	Madhubani	-do-
18	Sri Kapoori Tanti	A.M.O., In- Charge, Samastipur	5500-9000	Samastipur	-do-
19	Sri Moti Lal Singh	A.M.O., In- Charge, Sitamarhi	5500-9000	Sitamarhi	-do-
20	Sri Manoj Kimar Mishra	A.M.O., In- Charge, Betia	5500-9000	Betia	-do-
21	Sri Prabhash Nr. Singh	A.M.O., In- Charge, Motihari	5500-9000	Motihari	-do-
22	Sri Durga Prasad	A.M.O., In- Charge, Begusarai, Khagaria	5500-9000	Begusarai, Khagaria	-do-
23	Sri Pramod Kumar	A.M.O., Purnea, Katihar	10000-15200	Purnea, Katihar	To recommend mining leases, Collection of Revenue, Administratoin of required & related acts on minerals.
24	Sri Hari Kishore Singh	A.M.O., In- Charge, Saharsa, Supaul, Madhepura	5500-9000	Saharsa, Supaul, Madhepura	-do-

Sl.No.	Name of Officer	Designation	Pay Scale	Jurisdiction	Power & Duties
1	2	3	4	5	6
1	Dr. Shakil Ahmed	Geologist, Bhagalpur Circle	6500-10500	Bhagalpur	Exploration of minerals, estimation of reserves & geo-environmental studies.
2	Smt. Vandana Kumari	Geologist, North Bihar Circle, Muzaffarpur	10000-15200	North Bihar	Exploration of minerals, estimation of reserves & geo-environmental studies.
3	Sri Pankaj Sahay	Geologist, North Bihar Circle, Muzaffarpur	10000-15200	North Bihar	Exploration of minerals, estimation of reserves & geo-environmental studies.
4	Sri Lal Bihari Prasad	Geo-Physicts, North Bihar Circle	6500-10500	North Bihar	-do-
5	Sri Gopal Sah	Geo-Physicts, Bhagalpur	6500-10500	Bhagalpur	-do-

□ The particulars of facilities available to citizens for obtaining information including the working him of a library or reading room, if maintained for public use.

The facilities available to citizen for obtaining information is as follows:-

- 1- The department has a data bank and publication cell with a view to provide data and various information regarding mineral production, dispatch of mineral and related geological and mining information to the entrepreneurs & other public.
- 2- The data bank possess a very exhaustive library which include books, journals, scientific bulletins, reports in geological investigation and other related information about the department. Any citizen or entrepreneurs who want to get information about the above matters can get the services of the data bank and publication cell and library on request.
- 3- Persons desirous of obtaining information on various matters related with the work of the department should address their enquiries to the Secretary, Deptt. of Mines & Geology, Govt. of Bihar, Vikas Bhawan, Patna – 800 015, Fax No. – 0612-2232930 or Dy. Director, Data Bank & Publication Cell, Vikas Bhawan, Patna- 800 015.

- **Name & Designation and other particulars of the public information officer.**

➤ **Strength of Cadre based on post filled up**

<u>Sl.No.</u>	<u>Name of Posts</u>	<u>Post filled as on 10.3.2006</u>
<u>1</u>	<u>2</u>	<u>3</u>
1	District Mining Officer	1
2	Assistant Mining Officer	6
3	Mines Inspector	
4	Office Superintendent	1
5	Head Clerk	6
6	Clerk	69
7	Steno Typist	10
8	Driver	19
9	Draftsman	2
10	Chainman	21
11	Peon	31
12	Nigh Guard	18
13	Process Server	6
14	Sr. Geologist-cum-Asstt. Director	7
15	Geologist	8
16	Geo-Physist	2
17	Head Clerk	2
18	Clerk	4
19	Draftsman	2
20	Steno-Typist	3
21	Driller	1
22	Asstt. Driller	2
23	Drilling Assistant	1
24	Surveyor	5
25	Driver (Heavy)	3
26	Driver (Light)	8
27	Chainman	7
28	Night Guard	8
29	Drilling Helper	10
30	Peon	11
31	Truck Khalasi	5

➤ **Grant of Major Minerals – Districtwise**

Sl.No.	District	Mineral	No. of Leases	Area (in acres)
1	2	3	4	5
1	Munger	Silica Stone	2	50.75
		Quartzite	2	28.46
		Soapstone	1	16.40
		Total:-	5	95.61
2	Lakhisarai	Silica Stone	1	48.92
3	Jamui	Quartzite	2	152.48
4	Nawada	Mica	3	6256.24
5	Rohtas	Limestone	16	3103.74
		Pyrite	1	1599.34
		Silica Stone	1	850.00
		Total:-	18	5553.08
		Total in Bihar:-	29	12106.33

➤ **Grant of Minor Minerals – Districtwise**

• **Stone**

Sl.No.	District	Settled lease	Unsettled lease	Total
1	2	3	4	5
1	Rohtas	36	0	36
2	Bhabhua	9	5	14
3	Bhagalpur	23	18	41
4	Banka	1	3	4
5	Munger	20	0	20
6	Jamui	10	0	10
7	Shiekhpora	79	29	108
8	Gaya	69	40	109
9	Arwal	1	0	1
10	Aurangabad	5	10	15
11	Nawada	55	4	59
12	Bettiah	12	10	22
	Total:-	320	119	439

- Sand

Sl.No.	District	Reserve Auction Deposit	Details of Auction Money
1	2	3	4
1	Patna	691.31	741.15
2	Rohtas	358.38	421.50
3	Bhabhua	46.91	46.91
4	Bhagalpur	1170.19	1254.56
5	Buxer	17.09	8.92
6	Nalanda	173.81	177.00
7	Bhagalpur	82.18	90.50
8	Banka	59.33	58.92
9	Munger	5.07	5.60
10	Jamui	108.17	208.25
11	Lakhisarai	309.10	311.51
12	Shiekhpora	0.60	-
13	Gaya	190.02	191.18
14	Jehanabad/Arwal	62.46	69.37
15	Aurangabad	262.43	301.25
16	Nawada	246.40	246.51
17	Saran	29.26	31.36
18	Siwan	5.08	9.60
19	Vaishali	22.34	22.35
20	Muzaffarpur	9.01	9.25
21	Madhubani	7.24	8.11
22	Bettiah	15.79	22.10
23	Motihari	3.41	9.25
24	Purnea	10.80	10.86
25	Saharsa/Supual	6.18	14.37
26	Madhepura	1.54	1.56
	Total:-	3894.10	4271.94

- Bricks

SI.No.	District	Total No. of Brick Kilns
1	2	3
1	Patna	174
2	Rohtas	112
3	Bhabhua	102
4	Bhojpur	111
5	Buxer	98
6	Nalanda	75
7	Bhagalpur	74
8	Banka	02
9	Munger	46
10	Jamui	34
11	Lakhisarai	24
12	Shiekhpora	26
13	Gaya	152
14	Arwal / Jehanabad	69
15	Aurangabad	108
16	Nawada	69
17	Saran	95
18	Siwan	164
19	Gopalganj	163
20	Vaishali	84
21	Muzaffarpur	209
22	Darbhanga	165
23	Madhubani	186
24	Samastipur	107
25	Sitamarhi	141
26	Bettiah	130
27	Motihari	228
28	Begusarai	68
29	Khagaria	31
30	Purnea	194
31	Katihar	81
32	Saharsa/Supaul	97
33	Madhepura	61
	Total:-	3480

➤ **Details of number of Crusher licenses and its minimum reserve value under the provisions of Bihar Minerals (Prevention of Illegal Mining, Transportation & Storage) Rules, 2003.**

Sl.No.	District	No. of Stone Stockist Licenses	Minimum Reserve Value for issuing Stone licenses (In lakh Rs.)	No. of licenses issued	No. of unsettled licenses
1	2	3	4	5	6
1	Rohtas	135	4.55	135	0
2	Kaimur	15	3.50	15	0
3	Gaya	148	3.50	128	20
4	Munger	20	4.55	20	0
5	Bhagalpur	36	3.50	4	32
6	Banka	4	3.50	0	4
7	Aurangabad	21	3.50	21	0
8	Bettiah	16	3.50	16	0
9	Jamui	11	3.25	0	11
10	Shiekhpora	227	4.55	61	166
11	Jehanabad	36	3.50	36	0
12	Nalanda	56	Not fixed	0	56
13	Nawada	139	3.50	39	100
	Total:-	864	44.90	475	389

➤ **Mineral deposits occurring in Bihar**

Sl. No.	Name of Mineral/Ore	Districtwise Place of occurrence	Reserve (In million tonne)	Quality
1	2	3	4	5
1	Limestone	Rohtas- Banjari, Baulia, Chunahatta, Nawadih, Jaitpur etc. Munger – Gidham Kaimur – Belduria-Jaradag, Jadunathpur, Sonarika	189.30 9.45 <u>12.10</u> 210.85	Cement to flux grade Low grade Cement to flux grade.
2	Pyrite	Rohtas – Amjhor, Nawadih	53.41	Chemical & Fertiliser
3	Mica	Nawada – Sapahi, Basorna, Manakhap Jamui- Chakai Batia, Charka Pathar, Nawadih Gaya- Dibaur, Majhuli, Bishunpur	- Trace Trace	Ruby Mica Poor quality Poor quality
4	Bauxite	Munger- Kharagpur Hills Mairwa, Saranga, Thadhi Rohtas- Adhaura, Banjari Hills	0.81 <u>1.30</u> 2.11	Low grade Low grade
5	Feldspar	Gaya- Gurpa Gazandi, Nathnagari Jamui- Chakai, Batia, Mahesri, Sono, Mallepur	0.7 <u>4.14</u> 4.84	Low to Medium grade.
6	Chinaclay	Banka- Abrakha, Chauria, Katuria, Satletwa, Batesarthan, Samukhia-Jharna, Goverdhara, Patharghata, Harankari Munger- Kharagpur hills, Aamjhuri, Bhandari, Panari, Pathalkhapati, Chiraiya	0.96 0.24	High to Medium grade Low grade
7	Fireclay	Bhagalpur – Kalagaon	0.01	Inferior grade

		Purnea- Migare	0.02 0.03	
8	Talc/Steatite/Sopstone	Munger- Shankarpur	0.08	Medium grade
9	Magnetite	Gaya- Barabar hill Jamui- Manjosh	0.59 2.07 2.66	Low grade (Fe content 35-67.8%)
10	Haematite (Iron Ore)	Bhagalpur- Charnapur	0.033	Low grade
11	Quartz/Silica Sand	Banka- Katuria, Chanan Jamui- Mica Pegmatite of Kodactahi, Simultala, Chakai, Sono Munger- Nawagar, Bhedariyur, Mujharpur, Morway Nalanda- Madah	3.147 0.002 6.582 0.007 9.738	Low grade
12	Gold	Jamui- Karmatia W.Chamapran- Balmikinagar	Ore- 128.88 (Gold content Avg. 0.167 gm/tonne ore) (Gold content Avg. 0.1 to 0.6 gm/tonne ore)	Placer gold occur as minute flake in sand.
13	Quartzite	Munger – Patam, Mirzapur, Ronakabad, Rampur, Sitakund, Jattori Haveli Kharagpur to Jamalpur Jamui- Between Sono and Chakai Gaya- Ramshila hill & Prestshilla	203.30 Not estimated Not estimated	Refractory to Steel grade.

			ed	
14	Slate & Phyllite	Munger- Dharhara, Kajra Kharagpur hill	4.7 million cubic metre	High grade
15	Galena	Banka – Katuria Abarrakha	Trace	High grade
16	Graphite	Jamui- Near Simultala	Not estimat ed.	Low grade

➤ **Decorative Stone**

- **(A):** The thirty known deposits of decorative granite stone have been explored in five districts of Bihar namely, Gaya, Jehanabad, Nawada, Jamui and Banka in which 67.99 million cubic metre granite deposits occur, of which, best quality deposit is about 32.04 million cubic metre.

Sl.No.	Name of District	Colour of Granite	No. of Deposits	Reserve (In M.Cu.M.)
1	2	3	4	5
1	Banka	Multi colour	15	00.52
2	Jamui	Gray	8	03.50
3	Nawada	Multi colour	1	00.60
4	Jehanabad	Gray	3	27.00
5	Gaya	Gray to Buff	3	00.42
		Total:	30	32.04

- **(B):** Other important raw materials for building purposes is also available in Bihar i.e. Sandstone occurring in various shades. These occur in Rohtas and Kaimur districts. The reserve of best quality sandstone is approximately 47.71 million cubic meter.
- **Hot Springs:** The hot (Thermal) springs in Bihar are located along belts of deformation. They are confined in two belts viz.,

(A): Rajgir belt: The major springs in the Rajgir-Gaya group are the Rajgir/Brahmkund (37°-52°C) the Agnikund and Tapoban. They are situated along the fringes of isoclinally folded quartzite-argillite sequences of the Munger Group of Rajgir Hills.

(B): Kharagpur Hill belt: The Major springs in this group include Sitakund (26°C), Rishikund (37°-50°C), Bhimband (61°C), Lachmikund(65°-67°C), Rameshwar Kund (60°C), Panchbhur, Shringiri (37°-65°C), Bharari (37°-65°C), Janam etc.

The hot springs of Bihar have been studied for their medicinal and radioactive properties. They are important from tourism standpoint also.