

STATE REVIEWS



Indian Minerals Yearbook 2017

(Part- I)

56th Edition

STATE REVIEWS
(Telangana)

(FINAL RELEASE)

GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES

Indira Bhavan, Civil Lines,
NAGPUR – 440 001

PHONE/FAX NO. (0712) 2565471
PBX : (0712) 2562649, 2560544, 2560648
E-MAIL : cme@ibm.gov.in
Website: www.ibm.gov.in

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TELANGANA

The write up for this State is being presented for the first time in the Yearbook. The State is carved out of Andhra Pradesh and efforts have been made to give a clear picture about the areas/districts falling under the state; however, there are chances of intermixing of data between Andhra Pradesh and Telangana, it will be sorted out in next edition.

Telangana is the 29th State of India, formed on the 2nd of June 2014 with ten districts, namely; Hyderabad, Adilabad, Khammam, Karimnagar, Mahabubnagar, Medak, Nalgonda, Nizamabad, Rangareddy and Warangal. Telangana is surrounded by Maharashtra and Chhattisgarh in the North, Karnataka in the West and Andhra Pradesh in the South and East directions.

Mineral Resources

Telangana is the leading producer of barytes, dolomite, feldspar, laterite, limestone, Quartz and Sand (others). It accounts for 47% kyanite, 29% corundum, 10% fuller's earth and 9% limestone resources of the country. Telangana is endowed with the internationally known black, pink, blue and multicoloured varieties of granites.

Important minerals occurring in Telangana are: **barytes** in Khammam, district; **china clay** in

Adilabad, Mahabubnagar, Nalgonda, Rangareddy, and Warangal districts; **coal** in Adilabad, Karimnagar, Khammam and Warangal districts; **corundum** in Khammam district; **dolomite** in Khammam, and Warangal districts; **felspar** in Hyderabad, Khammam, Mahabubnagar, Medak, and Rangareddy districts; **fireclay** in Adilabad, and Nalgonda districts; **garnet** in Khammam district; **granite** in Karimnagar, Khammam, Mahabubnagar, Medak, Nalgonda, Rangareddy, and Warangal districts; **iron ore (hematite)** in Khammam district; **iron ore (magnetite)** in Adilabad, and Warangal districts; **limestone** in Adilabad, Hyderabad, Karimnagar, Mahabubnagar, Nalgonda, Rangareddy, districts; **manganese ore** in Adilabad district; **mica** in Khammam districts; **quartz/silica sand** in Hyderabad, Khammam, Mahabubnagar, Medak, Nalgonda, Rangareddy and Warangal districts; and **talcs/soapstone/steatite** in Khammam district.

Other minerals that occur in the State are **chromite, copper, graphite and kyanite** in Khammam district; **fuller's earth** in Medak and Rangareddy districts; and **marble** in Khammam district (Tables - 1 and 2).

Exploration & Development

The details of exploration activities conducted by GSI for coal and other minerals during 2016-17 are furnished in Table - 3.

Table – 2: Reserves/Resources of Coal as on 1.4.2017 : Telangana

(In million tonnes)

Coalfield	Proved	Indicated	Inferred	Total
Total/Godavari Valley	10128.45	8586.16	2700.20	21414.81

Source: Coal Directory of India, 2016-17.

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Table -1: Reserves/Resources of Minerals as on 01.04.2015: Telangana

Mineral	Unit	Reserves				Remaining Resources						Total resources (A+B)		
		Proved STD 111	Probable STD121 STD122	Total (A)	Feasibility STD211	Pre-feasibility STD221 STD222	Measured STD331	Indicated STD332	Inferred STD333	Reconnaissance STD334	Total (B)			
Barytes#	tonne	1324582	-	403420	1728002	112320	45400	130061	-	12940	711239	-	1011960	2739962
ChinaClay#	'000 tonnes	623	322	945	2902	655	1059	655	-	-	10602	132	15350	16295
Chromite	'000 tonnes	-	-	-	-	-	-	-	-	15	171	-	186	186
Copper	'000 tonnes	-	-	-	-	-	-	-	-	-	-	-	666	666
Ore	'000 tonnes	-	-	-	-	-	-	-	-	-	-	-	9.12	9.12
Metal	'000 tonnes	-	-	-	-	-	-	-	-	-	-	-	77113	77113
Corundum	tonne	-	-	-	5824	-	-	9282	-	-	62007	-	145298	188021
Dolomite#	'000 tonnes	42072	-	651	42723	2869	1594	1944	-	132511	6380	-	13385142	23387715
Feldspar#	tonne	8244089	526905	1231579	10002573	3163212	543605	1938177	134417	3890572	3657219	57940	10684	11446
FireClay#	'000 tonnes	762	-	762	667	-	746	-	-	758	8514	-	25523983	25523983
Fuller's Earth##	tonne	-	-	-	-	-	-	-	-	-	1855976	-	1945099	1960196
Garnet	tonne	15097	-	-	15097	47090	42033	-	-	-	-	-	-	-
Granite														
(Dimension Stone)#	'000 cum	-	-	-	-	-	-	-	-	-	45494	-	45494	45494
Graphite	tonne	-	-	-	-	-	-	-	-	123636	95818	-	219455	219455
Iron ore														
(Haematite)	'000 tonnes	509	-	-	509	973	483	-	-	-	23977	27240	52673	53181
Iron ore														
(Magnetite)	'000 tonnes	-	-	-	-	-	-	-	-	-	71500	14	71514	71514
Kyanite	tonne	-	-	-	-	-	-	-	-	-	48350000	-	48350000	48350000
Laterite#	'000 tonnes	36471	8213	2426	47110	6439	828	2536	-	-	6483	305	16591	63701
Limestone	'000 tonnes	625569	195	400766	1026529	254912	28110	92020	113416	921577	11710694	3038478	16159208	17185736
Manganese														
ore	'000 tonnes	156	3	196	355	2	-	46	-	886	203	76	1214	1568
Marble##	'000 tonnes	-	-	-	-	-	-	-	-	-	3	-	3	3
Mica#	kilograms	-	-	-	-	-	-	584885	-	-	-	-	584885	584885
Quartz &														
Silica Sand#	'000 tonnes	18541	1367	6916	26824	10334	2414	8365	159	3107	28642	230	53250	80074
Shale#	'000 tonnes	13852	-	-	13852	-	-	-	-	-	-	-	-	13852
Talc -Steatite -														
Soapstone#	'000 tonnes	-	-	-	-	-	-	-	-	-	20	-	20	20

Figures rounded off.

Declared as Minor Minerals vide Gazette Notification dated 10.02.2015

Minor Minerals before Gazette Notification dated 10.02.2015.

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Table – 3 : Details of Exploration Activities in Telangana, 2016-17

Agency/ Mineral/ District	Location	Mapping		Drilling		Sampling (No.)	Remarks Reserves/Resources estimated
		Scale	Area (sq km)	No. of boreholes	Meterage		
GSI							
Coal							
Khammam	Pagaderu East Sector Godavari Valley Coalfield	-	-	-	78.2	-	Exploration of coal by drilling in Eastern Extension of Pagaderu (East) sector was taken up during field session 2015-16 and 2016-17 with an objective to explore and evaluate coal potentiality of Lower Kamthi and Barakar coal seams in the strike direction of the adjacent Pargaderu (East) sector. Lower Kamthi Seams (V to I) intersected from a depth range of 63.46 to 305.35 m with individual thickness from 0.50 m to 1.06 m. Barakar seams (A & B, No I seam, C and Thick seam) intersected from a depth range of 168.72 m to 745.47 m with individual seam thickness ranging from 0.50 m to 24-39 m. Coal proved along the strike extension of 4.5 km and dip extension of 1.5 km.

Production

Though the state is formed on 2nd June 2014, figures for the year 2014-15 for the state are given for comparison purpose by clubbing the mineral production in the districts of Telangana which were the part of erstwhile Andhra Pradesh in the respective year.

The value of minor minerals' production was estimated at ` 7,745 crore for the year 2016-17.

The number of reporting mines was 34 in 2016-17 in case of MCDR minerals. Details are furnished in Table – 4.

Mineral-based Industry

The present status of each mineral-based industry is not readily available. However, the important mineral based industries in the organised sector in the State are given in Table - 5.

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**Table – 4 : Mineral Production in Telangana, 2014-15 to 2016-17
(Excluding Atomic Minerals)**

(Value in `000)

Mineral	Unit	2014-15			2015-16			2016-17 (P)		
		No. of mines	Qty	Value	No. of mines	Qty	Value	No. of mines	Qty	Value ^{\$}
All Minerals		203		177364744	83		204661424	81		81999380
Coal	'000t	48	52536	109642600	47	60380122753500	47	59532	-	
Iron Ore	'000t	3	37	22035	1	-	-	-	-	
Manganese Ore	t	4	6775	21007	5	6892	17277	5	13262	66123
Barytes [#]	t	2	20654	51635	-	-	-	-	-	-
Clay (others) [#]	t	2	51915	5348	-	-	-	-	-	-
Dolomite [#]	t	4	485222	260007	-	-	-	-	-	-
Felspar [#]	t	21	401072	107680	-	-	-	-	-	-
Laterite [#]	t	33	1900673	218751	-	-	-	-	-	-
Limestone	'000t	33	23972	4043053	30	23878	4437332	29	24789	4479942
Quartz [#]	t	43	367467	96146	-	-	-	-	-	-
Sand (others) [#]	t	7	1778118	212561	-	-	-	-	-	-
Shale [#]	t	3	87000	6279	-	-	-	-	-	-
Minor Minerals [@]		-	-	62677642	-	-	77453315	-	-	77453315

\$ Excluding fuel minerals.

@ Figures for earlier years have been repeated as estimates, wherever necessary because of non-receipt of data.

Declared as Minor Minerals vide Gazette Notification dated 10.02.2015.

**Table – 5 : Principal Mineral-based Industries
in Telangana**

Industry/plant	Capacity ('000 tpy)	Industry/plant	Capacity ('000 tpy)
Aluminium Foil			
Hindalco, Kollur, Medak.	4	Deccan Cements Ltd, Bhavanipuram, Distt. Nalgonda.	2300
Asbestos Products			
Bhagyanagar Wood Plast Ltd, Nandikandi, Distt. Medak.	60	India Cements Ltd, Malkapur, Distt. Rangareddy.	2400
Hyderabad Industries Ltd, Sanathnagar, Distt. Rangareddy.	160	India Cement (Raasi Cements), Wadapally, Distt. Nalgonda.	2500
Hyderabad Industries Ltd, Thimmapur.	230	Keerthi Industries Ltd, Mellacheruvu, Distt. Nalgonda.	620
J.J. Spun Pipe Industries, Arsapalli, Distt. Nizamabad.	4.5	Kesoram Cement, Basantnagar, Distt. Karimnagar.	1750
Visaka Industries Ltd, Medak.	36	Mancherial Cement Co. (P) Ltd, Mancherial, Distt. Adilabad.	330
Bleaching Clay			
Ashapura Clay Tech. Ltd, Dharur, Distt. Rangareddy.	20 (Fuller's earth granules) 15 (Bentonite granules)	My Home Cement Industries Ltd, Mellacheruvu, Distt. Nalgonda.	3200
Cement			
Anjani Portland Cements Ltd (Subs. of Chettinad Cement), Anjanipuram, Distt. Nalgonda.	1160	NCL Industries Ltd, Simhapuri, Distt. Nalgonda.	990
CCI Ltd, Adilabad, Distt. Adilabad.	400	Orient Cement, Devapur, Distt. Adilabad.	3000
CCI Ltd, Tandur, Distt. Rangareddy.	1000	Penna Cement Industries Ltd, Tandur, Distt. Rangareddy.	2000

(Contd.)

(Contd.)

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Table - 5 (Concl.)

Industry/plant	Capacity ('000 tpy)	Industry/plant	Capacity ('000 tpy)
Penna Cement Industries Ltd, Ganeshpahad, Distt. Nalgonda.	1200	Bright Star Iron & Steel Ltd, Mekaguda, Distt. Mahabubnagar	NA
Rain Commodities Ltd (Rain Cements), Ramapuram, Distt. Nalgonda.	1500	Binjusaria Sponge & Power Pvt. Ltd, Farooq Nagar, Distt. Mahabubnagar.	30
Sagar Cements Ltd, Mattampally, Distt. Nalgonda.	2350	Kumar Metallurgical Corpn. Ltd, Nalgonda.	60
Zuari Cements Ltd (Sri Vishnu Cements Works), Dondapadu, Sitapuram, Distt. Nalgonda.	3600 (tpd)	Lakshmi Gayatri Iron & Steel, Kethepally Distt. Nalgonda.	NA
Ceramic/Sanitaryware		NMDC (Sponge Iron Division), Paloncha, Khammam.	60
Hindustan Sanitaryware & Industries Ltd, Bibinagar, Distt. Nalgonda.	1.8	Reactive Metals of India Ltd, Appajipally Distt. Mahabubnagar.	100 (TPD)
Montana International Ltd, Faralwadi, Distt. Medak.	3.6	Sunder Steels Ltd, S.D. Road, Secunderabad.	24
Restile Ceramics Ltd, Malkapur. Distt. Medak.	1.4 (mill. sq m)	Ferro-alloys	
Fertilizer		Nav Bharat Ferro Ventures Ltd, Paloncha, Distt. Khammam.	125
Chemtech Fertilizers Ltd, Kazipalli, Medak.	33 (SSP)	Shree Raghvendra Ferro alloys Pvt Ltd, Nalgonda.	15
Glass		VBC Ferro Alloys Ltd, Rudraram, Distt. Medak.	48
Ceat Ltd, Thimmapur, Distt. Mahabubnagar.	10	Refractory	
Sponge Iron		MPR Refractories Ltd, Medak.	9.5
Ashirwad Steels & Ind. Ltd, Veliminedu, Distt. Nalgonda.	60	Raasi Refractories, Narketapally, Distt. Nalgonda.	35
Anand Metallics & Power Pvt. Ltd, Kodi Cherla, Distt. Mahabubnagar.	NA	<i>Note: Data, not readily available for fertilizer and cement Industries on respective websites, is therefore taken from FAI Statistics, 2015-16 and Survey of Cement Industry & Directory, 2015 respectively.</i>	

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