

GOVERNMENT OF INDIA
MINISTRY OF COAL

LOK SABHA
UNSTARRED QUESTION NO 22
ANSWERED ON 07.12.2022

Coal Reserves

22. DR DHAL SINGH BISEN:
MS NUSRAT JAHAN:

Will the Minister of Coal be pleased to state:

- (a) the details of the coal reserves available in the country, State/UT-wise;
- (b) the details of the criteria for auction of coal blocks for commercial mining along with the number of coal blocks auctioned during the last five years, year-wise and State-wise;
- (c) the number of coal mines allocated under the Coal Mines (Special Provisions) Act, 2015 and the revenue earned during the last five years, year-wise;
- (d) the measures taken to increase the safety and production in the coal mines along with the international cooperation being taken in this regard; and
- (e) the details of abandoned Coal Mines in the country, State-wise along with the measures taken to re-purposing of these abandoned mines?

ANSWER

MINISTER OF PARLIAMENTARY AFFAIRS, COAL AND MINES
(SHRI PRALHAD JOSHI)

(a): The state wise coal resources estimated in the country as per Coal Inventory of India published by GSI on 01.04.2022 are given as under:

States	Measured (331)	Indicated (332)	Inferred (333)	Total Resource
Odisha	48572.58	34080.42	5451.60	88104.60
Jharkhand	53245.02	28259.67	5155.41	86660.10
Chhattisgarh	32053.42	40701.35	1436.99	74191.76
West Bengal	17233.88	12858.84	3778.53	33871.25
Madhya Pradesh	14051.66	12722.97	4142.10	30916.73
Telangana	11256.78	8344.35	3433.07	23034.20
Maharashtra	7983.64	3390.48	1846.59	13220.71
Bihar	309.53	4079.69	47.96	4437.18
Andhra Pradesh	920.96	2442.74	778.17	4141.87

Uttar Pradesh	884.04	177.76	0.00	1061.80
Meghalaya	89.04	16.51	470.93	576.48
Assam	464.78	57.21	3.02	525.01
Nagaland	8.76	21.83	447.72	478.31
Sikkim	0.00	58.25	42.98	101.23
Arunachal Pradesh	31.23	40.11	18.89	90.23
Total	187105.32	147252.18	27053.96	361411.46

(b): **Criteria for auction of coal blocks-** For participating in the auction process under commercial mining, there is no technical or financial eligibility criteria. However, the entity should be:

1. a Government company or corporation or a joint venture company formed by such company or corporation or between the Central Government or the State Government, as the case may be, or any other company incorporated in India; or
2. a company or a joint venture company formed by two or more companies.
3. The Bidder who is a Prior Allottee must have paid the additional levy within the time period prescribed under Rule 18 of the Rules.
4. The Bidder who is a Prior Allottee, who is convicted of an offence relating to coal block allocation and sentenced with imprisonment for more than 3 (three) years, shall not be eligible to participate in the auction.

The commercial coal mines auction was launched in June 2020. The year-wise and state-wise name of coal blocks auctioned under commercial auction is annexed at Annexure-1.

(c): 105 Coal Mines were allocated under the Coal Mines (Special Provisions) Act, 2015 and the revenue generated by these mines during last 5 years is given as under:

Serial No.	FY	Revenue (Rs. in crores)
1	2017-2018	1919.63
2	2018-2019	1481.46
3	2019-2020	1565.38
4	2020-2021	1203.82
5	2021-2022	1677.29
6	2022-2023	1583.17 (Provisional till October 30.11.2022)

(d): Apart from compliance of the statutory provisions as laid down in the Mines Act, 1952, the Mines Rules- 1955, the Coal Mine Regulations- 2017 and Bye-laws & Standing Order framed thereunder, Coal companies have taken the following measures to increase safety in coal mines:

1. Preparation and implementation of Site Specific Risk Assessment based Safety Management Plans (SMPs).

2. Preparation and implementation of Principal Hazards Management Plans (PHMPs).
3. Formulation and compliance of Site-specific Risk Assessment based Standard Operating Procedures (SOPs).
4. Conducting Safety Audit of mines through multi-disciplinary Safety Audit teams.
5. Provide need based personal protective equipment (PPE)s to all employees including contractual workers.
6. Adoption of the state-of-the art mechanism for Strata Management
7. Mechanism for monitoring of mine environment
8. Specific Safety measures for OC mines
9. Imparting Training on Mine Safety
10. Mine Safety Inspection
11. Online Centralized Safety Monitoring System

International cooperation is being taken by CIL in respect of on R&D project related to mine safety e.g. “Development of guideline for prevention & mitigation of explosion hazard by risk assessment and determination of explosibility of Indian coal incorporating risk based mine emergency evacuation and re-entry protocol” in collaboration with IIT-ISM, Dhanbad and University of New Castles, Australia. In SCCL, SIMTARS (Australia) accredited 10 trainers are training the concerned on development, implementation and review of safety management plan in mines and departments.

For enhancement of coal production, it is essential to create sufficient capacities for both, coal & OB, so as to improve coal production. To enhance capacities, all necessary steps are being taken by coal companies. Some of the major steps are as under-

1. UG mines are being converted into semi-mechanized mines and mechanized mines wherever feasible techno-economically.
2. Mechanized Mass Production Technology (MPT) are being introduced wherever geo-mining conditions are favourable & economically feasible.
3. Coninuous Miners (CMs) are being deployed in phased manner.
4. CIL and its subsidiaries are going for higher capacity mines with heavy mechanization.
5. CIL has also intordued state-of-the-art technology to improve work efficiency.
6. Surface Miners have been introduced in opencast mines in a big way to improve opertional efficiency and cater to environmental needs.

(e) Subsidiary-wise and state-wise closed/abandoned/discontinued mines of CIL and SCCL as on 01.04.2022 since nationalization are annexed at Annexure-2.

Annexure-1

The year-wise and state-wise name of coal blocks auctioned under commercial auction

FY:2021

Sl. No.	Chhattisgarh
1.	Gare-Palma-IV/1
2.	Gare-Palma-IV/7
Jharkhand	
1.	Brahmadiha
2.	Chakla
3.	Rajhara North (Central & Eastern)
4.	Urma Paharitola
5.	Gondulpara
Madhya Pradesh	
1.	Dhirauli
2.	Sahapur West
3.	Urtan
4.	Urtan North
5&6.	Gotitoria (East) & Gotitoria (West)
7.	Bandha
8.	Sahapur East
Maharashtra	
1.	Marki Mangli-II
2.	Takli-Jena-Bellora (North) & Takli-Jena-Bellora (South)
Odisha	
1.	Radhikapur (West)
2.	Radhikapur (East)
3.	Kuraloi (A) North

FY:2022

Arunachal Pradesh	
S. No	Name of Mine
1.	Namchik Namphuk *
Assam	
1.	Koilajan
2.	Garampani
Chhattisgarh	
1.	Jhigador
2.	Khargaon
3.	Bhaskarpara
4.	Gare Palma IV/6
Jharkhand	

1.	Jogeshwar & Khas Jogeshwar
2.	Rauta Closed Mine
3.	Burakhap Small Patch *
4.	Lalgarh (North)
5.	Tokisud Block II
6&7.	Brinda & Sasai
8.	Rabodih OCP
Madhya Pradesh	
1.	Beheraband North Extn
2.	Gondbahera Ujheni East
Maharashtra	
1.	Gondkhari
2.	Bhivkund
3.	Majra *
4.	Chinora *
Odisha	
1.	Bankhui
2.	Bijahan
3.	Meenakshi
4.	Utkal C
5&6.	Utkal B1 & Utkal B2

FY 2023

Sl. No.	Chhattisgarh
1.	Barra
2.	Sursa
Jharkhand	
1.	Ashok Karkatta Central
2.	Basantpur
3.	Jitpur
Madhya Pradesh	
1.	Marki Barka
2.	Maiki North
3.	Bandha North
Maharashtra	
1.	Dahegaon/Makardhokra-IV
2.	Marki Mangli-IV
Odisha	
1.	Alaknanda
2&3.	Rampia & Dip Side of Rampia
4&5.	Ghogharpalli & Its Dip Extension
Telangana	
1.	Koyagudem Block-III
West Bengal	
1.	Kasta(East)

*- Allocation terminated.

Annexure-2

Subsidiary-wise and state-wise closed/abandoned/discontinued mines of CIL and SCCL as on 01.04.2022 since nationalization

CIL Mines -

(Provisional)

Name of Mine	Type of Mine		State
ECL			
Sanctoria	UG		West Bengal
East Jemehari	UG		West Bengal
Ratibati 5&6	UG		West Bengal
KLS Chalbalpur	UG		West Bengal
Chalbalpur Khas	UG		West Bengal
New Jamehari Khas	UG		West Bengal
Seetaldasji	UG		West Bengal
Belrui Dishergarh	UG		West Bengal
North Brook	UG		West Bengal
Gogla/Adjoy Bank	UG		West Bengal
Manderboni 1,2&4	UG		West Bengal
Deoli	UG		West Bengal
B.Dhemo/Ramjibanpur	UG		West Bengal
Banksimulia 7&8	UG		West Bengal
Bright's Rana	UG		West Bengal
Madhusudanpur 1&2	UG		West Bengal
Central Jamuria	UG		West Bengal
Jote Janaki	UG		West Bengal
Naba Kajora/Ghanasyam		OC	West Bengal
Ratibati OC		OC	West Bengal
Purushottampur OC		OC	West Bengal
Nimcha OC		OC	West Bengal
Sheebpur OC		OC	West Bengal
Rana	UG		West Bengal
New/Central Satgram	UG		West Bengal
Alkusa Gopalpur OC		OC	West Bengal
Benalee	UG		West Bengal
Darula	UG		West Bengal
Krishnanagar	UG		West Bengal
Seetalpur	UG		West Bengal
Sankarpur Old	UG		West Bengal
Girimint	UG		West Bengal
Mahabir	UG		West Bengal
Kankartala 1&2	UG		West Bengal
Dhandadih OC		OC	West Bengal
Tara	UG		West Bengal
Barmondia	UG		West Bengal
Gangaramchak		OC	West Bengal
Poidih OC		OC	West Bengal
Ranipur	UG		West Bengal
Dalmiya OC		OC	West Bengal

Palasthali OC		OC	West Bengal
Lalmatia OC		OC	Jharkhand
Lalmatia UG	UG		Jharkhand
Chapapur 1 OC		OC	Jharkhand
Badjna/Pusai OC		OC	Jharkhand
Jamuraia	UG		West Bengal
Shampur A	UG		Jharkhand
Bhanora	UG		West Bengal
Damra	UG		West Bengal
Natundanga	UG		West Bengal
Kankartala 3&4	UG		West Bengal
Sripur	UG		West Bengal
Toposi	UG		West Bengal
Adjoy-II	UG		West Bengal
Sangramgarh	UG		West Bengal
Ghusik	UG		West Bengal
K. D. Incline	UG		West Bengal
Madhusudanpur 3 & 4 Pit	UG		West Bengal
Madhujore	UG		West Bengal
Ghanashyam	UG		West Bengal
Mithapur	UG		West Bengal
Ratibati/Sheetaldasji		OC	West Bengal
Amrasota	UG		West Bengal
Parasea 6 & 7 Incline	UG		West Bengal
Belbaid		OC	West Bengal
Haripur	UG		West Bengal
Chora		OC	West Bengal
Kendra	UG		West Bengal
Samla	UG		West Bengal
Damgorah Incline	UG		Jharkhand
Kapasara	UG		Jharkhand
Mahabir		OC	West Bengal
Mandman	UG		Jharkhand
Ratibati	UG		West Bengal
Kuardih-Tirat	UG		West Bengal
Chakballavpur / Barmondia A	UG		West Bengal
Mallickbasti		OC	West Bengal
Moira	UG		West Bengal
Chinakuri I UG	UG		West Bengal
Jemehari UG	UG		West Bengal
Kalipahari UG	UG		West Bengal
S S Incline	UG		West Bengal
Sodpur (R) UG	UG		West Bengal
New Kenda	UG		West Bengal

BCCL

Hantudih	UG		Jharkhand
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New Laikdih		OC	Jharkhand
Bhurungia	UG		Jharkhand
Madhuband	UG		Jharkhand
South Govindpur	UG		Jharkhand
Teturia Colliery	UG		Jharkhand
Dharmabandh Colliery	UG		Jharkhand
Loyabad	UG		Jharkhand
KB 5/6 Pits	UG		Jharkhand
Pootkee	UG		Jharkhand
Kustore	UG		Jharkhand
Chanch Colliery	UG		Jharkhand
Muchraidih Colliery	UG		Jharkhand
Amlabad Colliery	UG		Jharkhand
Sudamdih (Shaft) Mine	UG		Jharkhand
Laikdih Deep	UG		Jharkhand
V. West	UG		West Bengal
Begunia	UG		West Bengal
Bhatdih	UG		Jharkhand
Padugora	UG		Jharkhand
Hurriladih	UG		Jharkhand
Burragarh	UG		Jharkhand
Murulidih	UG		Jharkhand
Amalgamated Joyrampur Colly.		Mixed	Jharkhand
Lohapatty	UG		Jharkhand
Ghanoodih		OC	Jharkhand
Amalg. East Bhagatdih Simlabahal	UG		Jharkhand
Dobari		OC	Jharkhand
KB 10/12 Pits	UG		Jharkhand
Kenduadih		OC	Jharkhand
Bhagaband	UG		Jharkhand
P. B. Project	UG		Jharkhand
Bhowrah (N)	UG		Jharkhand
Bera		Mixed	Jharkhand

CCL

Dhobidih	UG		Jharkhand
Gidhania	UG		Jharkhand
Semra	UG		Jharkhand
Associated Karanpura	UG		Jharkhand
Khas Karanpura	UG		Jharkhand
Hutar	UG		Jharkhand
Giridih	UG		Jharkhand
Saunda - D		OC	Jharkhand
Hindegir	UG		Jharkhand
Sayal-D		OC	Jharkhand
Piparadih	UG		Jharkhand

Kabribad Incline	UG		Jharkhand
Bhadua		OC	Jharkhand
UK Incline No. 25 & 26	UG		Jharkhand
Karkatta OC		OC	Jharkhand
N. S. Dhori	UG		Jharkhand
Pindra	UG		Jharkhand
Karo I	UG		Jharkhand
Khas Mahal	UG		Jharkhand
Saunda D	UG		Jharkhand
Sayal D	UG		Jharkhand
Sirka	UG		Jharkhand
Argada	UG		Jharkhand
Ray-Bachra	UG		Jharkhand
Kargali	UG		Jharkhand
Jarangdih	UG		Jharkhand
Swang	UG		Jharkhand
Kuju	UG		Jharkhand
Topa	UG		Jharkhand

NCL

Gorbi		OC	M.P.
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WCL

Barkui	UG		M.P.
Barkui West	UG		M.P.
Bhamori / Jatachapa	UG		M.P.
Datla East	UG		M.P.
Datla West	UG		M.P.
Ghorawari / Hirdagar	UG		M.P.
Ghorwari Kalan	UG		M.P.
Kalichapar	UG		M.P.
Newton Chikli	UG		M.P.
North Chandameta	UG		M.P.
Nandora	UG		M.P.
Nakoda		OC	Maharashtra
Kumda		OC	Maharashtra
Taroda		OC	Maharashtra
Sethia		OC	M.P.
New Dhoptala		OC	Maharashtra
Rakhikole	UG		M.P.
Chikalmau	UG		M.P.
Rajur Pit	UG		Maharashtra
Satpura-I	UG		M.P.
Rawanwara	UG		M.P.
Eklehra	UG		M.P.
Vishnupuri		OC	M.P.
Shivpuri	UG		M.P.
Kukurmunda		OC	M.P.
Walni	UG		Maharashtra

Wirur/Chincholi	UG		Maharashtra
East Donger Chikli	UG		M.P.
Chandametta	UG		M.P.
Rawanwara		OC	M.P.
Nakoda	UG		Maharashtra
Haranbhata		OC	M.P.
Sukri	UG		M.P.
Bansi	UG		M.P.
Chargaon		OC	Maharashtra
Pench East		OC	M.P.
Patharkhera-I	UG		M.P.
Gajandoh	UG		M.P.
Patharkhera-II	UG		M.P.
Damua	UG		M.P.
Satpura-II	UG		M.P.
Nandan - I	UG		M.P.
HLC No. 3	UG		Maharashtra
Doptala		OC	Maharashtra
Ghughus		OC	Maharashtra
Makardhokra-II		OC	Maharashtra
Rawanwada Khas	UG		M.P.
Thesgora	UG		M.P.
Bhajipani		OC	M.P.
Ambara	UG		M.P.
Pipla UG	UG		Maharashtra
Chanda Rayatwari UG	UG		Maharashtra
Kumbharkhani UG	UG		Maharashtra
Ganpati UG	UG		M.P.
Vishnupuri - I UG	UG		M.P.
AB Incline UG	UG		Maharashtra
Barkuhi		OC	M.P.
Chhinda		OC	M.P.
Shivpuri		OC	M.P.
Ghorwari/Jharna		Mixed	M.P.
Nandan-II	UG		M.P.
Bharat (Ghorawari-2)		OC	M.P.
Sobhapur	UG		M.P.
Juna Kunada		OC	Maharashtra
Navin Kunada		OC	Maharashtra
Telwasa		OC	Maharashtra
Dhorwasa		OC	Maharashtra
Pimpalgaon		OC	Maharashtra

SECL

Domnara OC		OC	Chhattisgarh
Burhar No.3	UG		M.P.
Rungta	UG		M.P.
North Jhakrahand	UG		Chhattisgarh

Burhar No.1	UG		M.P.
Pure Chirimiri	UG		Chhattisgarh
Korba 1&2	UG		Chhattisgarh
Korba 3&4	UG		Chhattisgarh
Chachai OC		OC	M.P.
Banki 5&6	UG		Chhattisgarh
Jarwahi OC		OC	M.P.
New Jhimar	UG		M.P.
Banki 7&8	UG		Chhattisgarh
South Jhagrakhand-Old	UG		Chhattisgarh
Ramnagar	UG		M.P.
Jhimar Old	UG		M.P.
Rajgamar 8&9	UG		Chhattisgarh
Mand	UG		Chhattisgarh
Kotma	UG		M.P.
Duman Hill	UG		Chhattisgarh
Sonawani	UG		Chhattisgarh
Chachai UG	UG		M.P.
Rajnagar 4 & 5	UG		M.P.
Vivek nagar	UG		M.P.
Jamuna 3 & 4	UG		M.P.
Amlai	UG		M.P.
Korea	UG		Chhattisgarh
Jainagar old	UG		Chhattisgarh
West Chirimiri	UG		Chhattisgarh
Subhas Incline	UG		M.P.
South Jhagrakhand 5&6	UG		Chhattisgarh
Kotma		OC	M.P.
Kumda Old	UG		Chhattisgarh
Nowrozabad (East)	UG		M.P.
Kotma West		OC	M.P.
Jainagar 5&6	UG		Chhattisgarh
Banki 9&10	UG		Chhattisgarh
New Amlai	UG		M.P.
Anjan Hill	UG		Chhattisgarh
Chhal Incline	UG		Chhattisgarh
Pawan Incline	UG		Chhattisgarh
B. Seam	UG		Chhattisgarh
Baiga		OC	M.P.
Laxman		OC	Chhattisgarh
Rajgamar 6&7	UG		Chhattisgarh
Kotma West	UG		M.P.
Jamuna		OC	M.P.
Gobinda	UG		M.P.
North Chirimiri	UG		Chhattisgarh
Kuarsia		OC	Chhattisgarh
Surakachhar 5&6	UG		Chhattisgarh

North JKD	UG		Chhattisgarh
Palkimara	UG		Chhattisgarh
Birsingpur	UG		M.P.
Kalyani	UG		Chhattisgarh
Dugga		OC	Chhattisgarh
Dharam	UG		Chhattisgarh
Malga	UG		M.P.
Somna	UG		M.P.
Banki Main	UG		Chhattisgarh
Dhanpuri	UG		M.P.
NCPH Old	UG		Chhattisgarh
West Chirimiri		OC	Chhattisgarh
Mahamaya	UG		Chhattisgarh
Pinoura	UG		M.P.
Bishrampur		OC	Chhattisgarh
Mahan		OC	Chhattisgarh
Mahan-II		OC	Chhattisgarh
Katkona 3 & 4	UG		Chhattisgarh

MCL

Balanda		OC	Odisha
Hindegir Rampur Colliery	UG		Odisha
Deulbera	UG		Odisha
Handidhua	UG		Odisha
Talcher	UG		Odisha
Chhendipada		OC	Odisha
Lilari		OC	Odisha
Orient Colliery, Mine No.4	UG		Odisha
Orient Colliery, Mine No. 3	UG		Odisha

NEC

Baragolai	UG		Assam
Ledo	UG		Assam
Jeypore	UG		Assam
Ledo		OC	Assam
Tirap		OC	Assam
Tipong	UG		Assam

30 abandoned/discontinued underground coal mines of CIL have been selected for auction for production of coal under Revenue Sharing Basis.

SCCL Mines -

Sl. No	Name Mine	State/UT	Present Status
1	Andrews 1 &2	Telangana	Presently not contemplating any re-operationalisation.
2	Berley Pit	Telangana	Presently not contemplating any re-operationalisation.

3	PK-1 Incline	Telangana	Being converted into opencast mine for which Mining Plan (including Mine Closure Plan) is under preparation.
4	RK-3 Incline	Telangana	Being converted into opencast mine for which Mining Plan (including Mine Closure Plan) is under preparation.
5	MVK-2 Incline	Telangana	Being converted into opencast mine for which Mining Plan (including Mine Closure Plan) is under preparation.
6	MVK-3 Incline	Telangana	Being converted into opencast mine for which Mining Plan (including Mine Closure Plan) is under preparation.
7	No 2 Incline	Telangana	Presently not contemplating any re-operationalisation due to huge R&R.
8	Morgan Pit	Telangana	Presently not contemplating any re-operationalisation
9	Boipalli Mine	Telangana	Presently not contemplating any re-operationalisation due to huge R&R.
10	Hemachandrapuram Mine	Telangana	Presently not contemplating any re-operationalisation
11	MVK-1 Incline	Telangana	Presently not contemplating any re-operationalisation
12	MVK-5 Incline	Telangana	Presently not contemplating any re-operationalisation
13	Andrews 3&4 Incline	Telangana	The mine take area was surrendered during different renewals of Kothagudem Mining lease.
14	Polampalli Incline	Telangana	The mine take area was surrendered during different renewals of Yellandu Mining lease.
15	RK-1 Incline	Telangana	The mine take area was surrendered during different renewals of North Godavari Mining lease
16	Chennur 1&1A Incline	Telangana	Validity of the Mining lease (Chennur Mining Lease) has been lapsed.
17	Chennur 2&2A Incline	Telangana	Validity of the Mining lease (Chennur Mining Lease) has been lapsed.