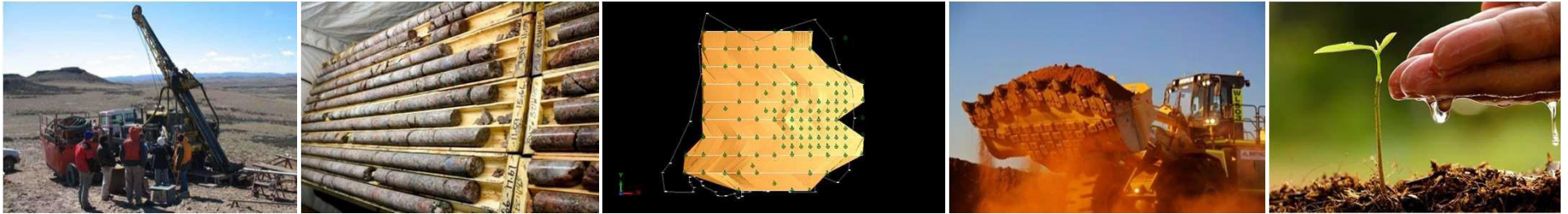


7 to 10 min for each of 11 major mineral rich State



Mineral Blocks on Auction in 2018-19



Government of Jharkhand

4th National Conclave on Mines & Minerals 2018

Indore

July 13, 2018

AUCTIONS TILL NOW

- The following mineral blocks have been auctioned in Jharkhand

SN	Block Name	Mineral	Concession Type (Date of e-auction)	Estimated Value of Resources (Rs. crore)	Final Bid (%)	Expected time of obtaining all clearances
1	Bhangaon/ West Singhbhum	Iron ore	ML (28.06.2018)	4247.77	89.00	
2	Parasi/Ranchi	Gold	ML (01.11.2017)	3052.81	17.00	
3	Pahardiha/ West Singhbhum	Gold	PL Cum ML (26.10.2016)	636.65	28.10	
4	Lem, Bicha/ Ramgarh Block-I	Limestone	PL Cum ML (12.02.2016)	25.76	12.00	
5	Lem, Bicha/ Ramgarh Block-II	Limestone	PL Cum ML (12.02.2016)	40.76	12.00	

AUCTIONS IN PROCESS

- The following mineral blocks are under auction process

SN	Block Name	Mineral	Concession Type	Estimated Resources (MT)	Final Bid %	Expected time of obtaining all clearances
1	Lesliganj / Palamu	Graphite	ML	0.67		
2	Dulsulma / Palamu	Graphite	ML	1.72		
3	Ponchi / Palamu	Graphite	ML	0.36		

- Pre-bid meeting conducted on 25.06.2018 for all the above blocks.
- Last date for submission of bid: 9th July 2018

Proposed Mineral Blocks for Auction in 2018-19

- The following mineral blocks will be put up for auction in 2018-19

Sl.No.	Block Name	District	Mineral	Resource (MT)	Concession Type
1.	Hariyan, Barunmuti, Thurkubera	East Singhbhum	Emerald	51557 kg	PL Cum ML
2.	Bahutiya	East Singhbhum	Emerald	9200 kg	PL Cum ML
3.	Dudhapat	Lohardaga	Bauxite	9.05 MT	ML
4.	Khutiya (Dhurki)	Garhwa	Dolomite/ Limestone	Limestone- 0.02 MT Dolomite- 1.13 MT	ML
5.	Bhawanathpur*	Palamu	Limestone		ML
6.	Nandup (East), Bayanbil (Combined Block)#	East Singhbhum	Copper	Nandup (East)- 0.087 MT (0.5% Cu) & 0.075 MT (0.2% Cu) Bayanbil- 0.114 MT (0.2% Cu)	ML
7.	Dhuluapat#	Lohardaga	Bauxite	2.30 MT	ML

* Under surrender by SAIL

DGPS work to be completed

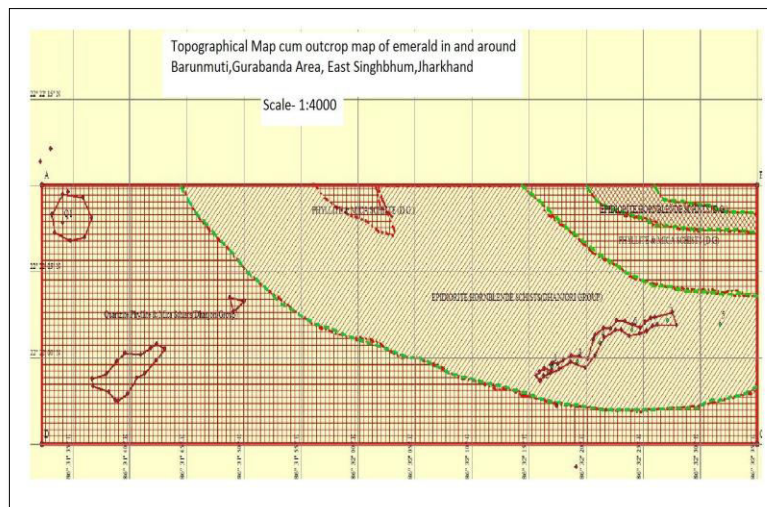
Proposed Mineral Blocks for Auction in 2018-19

- The following mineral blocks are under Exploration

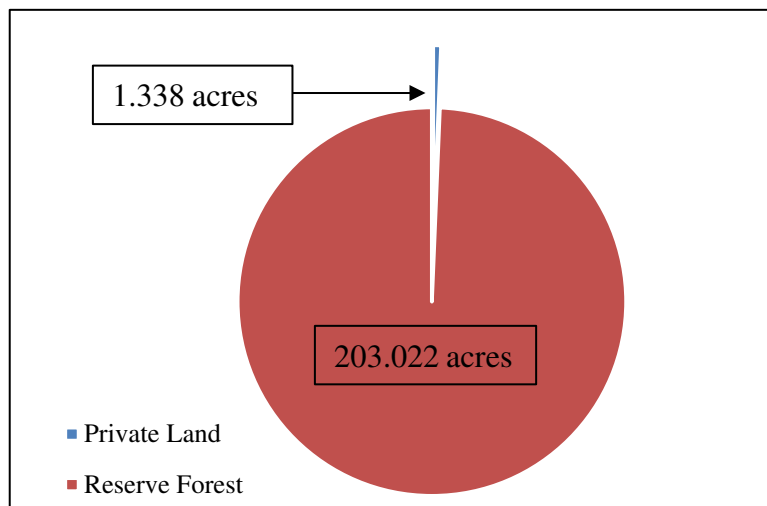
Sl.No.	Block Name	District	Mineral	Resource (MT)	Concession Type
1.	Lodhapat	Gumla	Bauxite		ML
2.	Rewaratu	Palamau	Graphite		PL Cum ML
3.	Ramsai Sosopi	West Singhbhum	Limestone		ML
4.	Indilkuri Nakahasa	West Singhbhum	Limestone		ML
5.	Piyartand	Ranchi	Limestone		ML
6.	Chiropat	Gumla	Bauxite		ML
7.	Bhusariya Tola	Palamau	Graphite		ML
8.	Chnpi	Palamau	Graphite		ML
9.	Bawariya	West Singhbhum	Manganese		ML
10.	Thakura 10(a) 2(c)	West Singhbhum	Iron Ore		ML
11.	Diriburu 10(a) 2(c)	West Singhbhum	Iron Ore		ML

PL cum ML of Hariyan, Barunmuti, Thurkubera Emerald Block

GEOLOGICAL MAP



LAND SCHEDULE



MINERAL BLOCK FEATURES

Total Area	82.74 Hectares (204.36 acres)
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MINERAL RESOURCES

Total Mineral/s resources (Kg)	51557 kg
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IBM ASP of Mineral	NA
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Estimated Value of Resources at IBM ASP	-
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(Grade of Mineral) & (Resources)	Gem variety
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EXPLORATION STATUS

Exploration Level (G2/G3/G4 etc.)	G-3
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Exploration Agency (GSI/DMG/MECL)	DMG
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Number of Boreholes and drilled meterage	-
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KEY FEATURES

Water Availability (River/Other Source)	Kodia Nala
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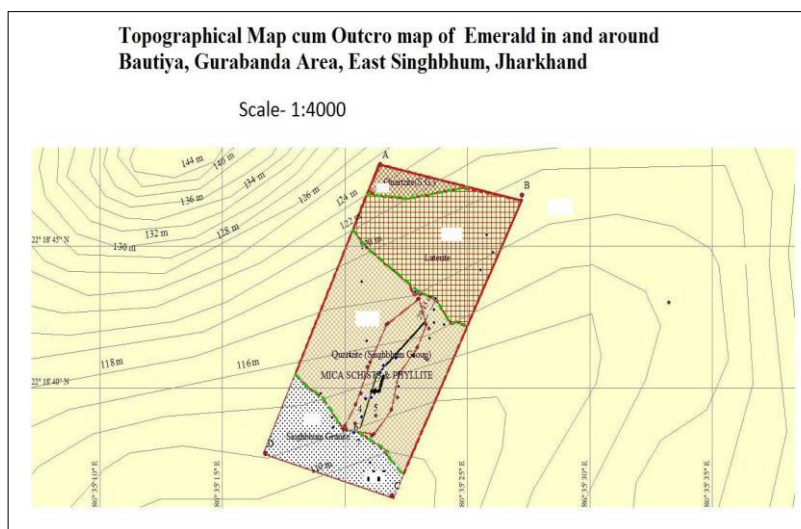
Nearest Highway Distance (km) & Connectivity (SH/NH)	87km from NH- 33 & 11km from Dalbhumgarh railway station
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No of same mineral mines in 50 km radius (no of mines) and their total yearly production (MT)	No
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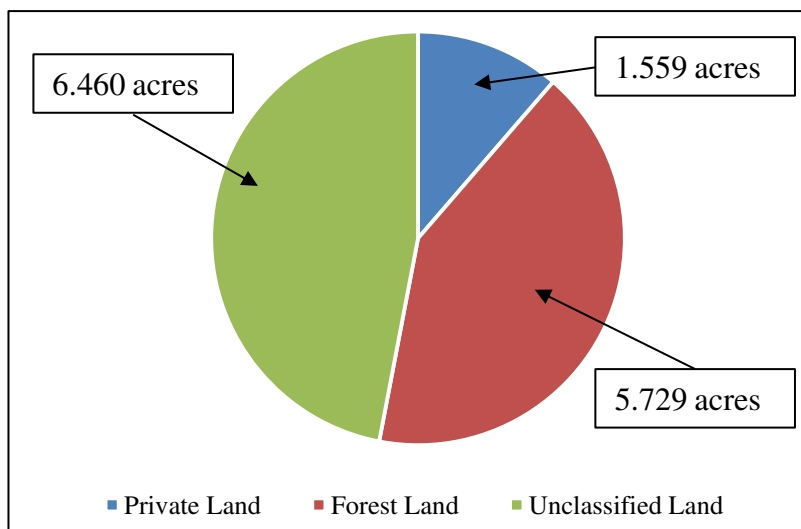
Mineral Demand prospect in 20/30 years	-
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PL cum ML of Bahutiya Emerald Block

GEOLOGICAL MAP



LAND SCHEDULE



MINERAL BLOCK FEATURES

Total Area	5.45 Hectares (13.748 acres)
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MINERAL RESOURCES

Total Mineral/s resources (Kg)	9200 kg
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IBM ASP of Mineral	NA
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Estimated Value of Resources at IBM ASP	-
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(Grade of Mineral) & (Resources)	Gem variety
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EXPLORATION STATUS

Exploration Level (G2/G3/G4 etc.)	G-3
-----------------------------------	-----

Exploration Agency (GSI/DMG/MECL)	DMG
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Number of Boreholes and drilled meterage	-
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KEY FEATURES

Water Availability (River/Other Source)	Kodia Nala
---	------------

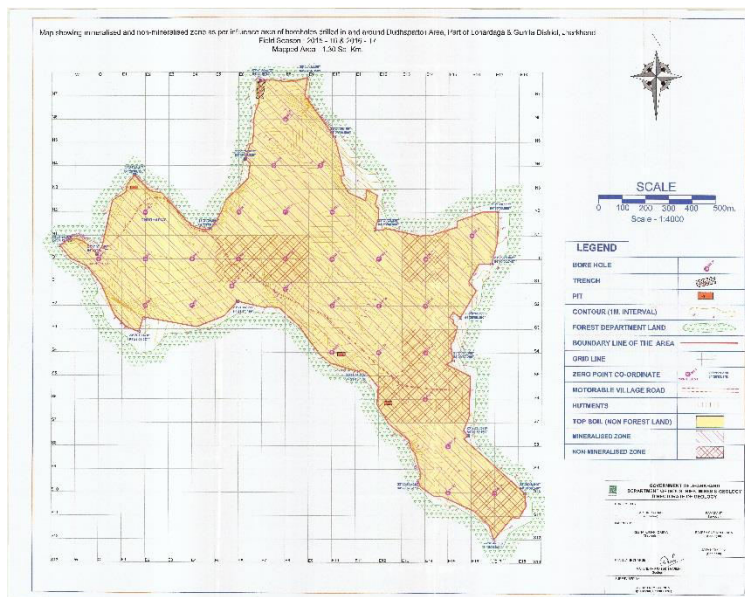
Nearest Highway Distance (km) & Connectivity (SH/NH)	87km from NH- 33 & 11km from Dalbhumgarh railway station
--	--

No of same mineral mines in 50 km radius (no of mines) and their total yearly production (MT)	No
---	----

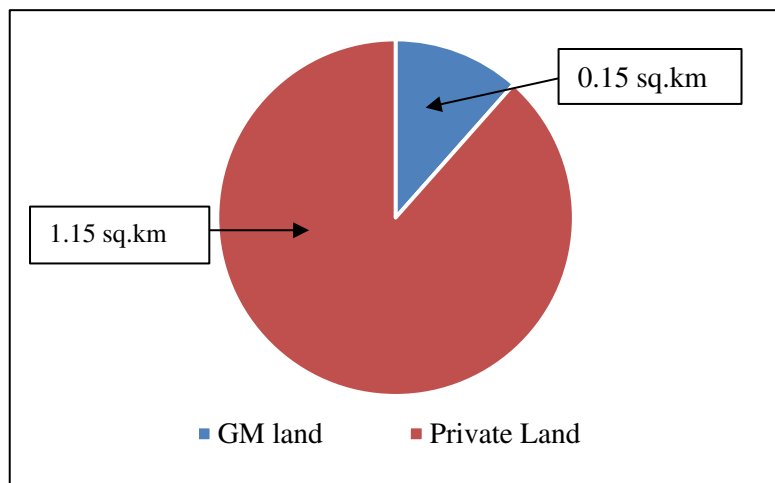
Mineral Demand prospect in 20/30 years	-
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ML of Dudhapat Bauxite Deposit

GEOLOGICAL MAP



LAND SCHEDULE



MINERAL BLOCK FEATURES

Total Area	1.30 sq.km (130 Hectares)
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MINERAL RESOURCES

Total Mineral/s resources (MT)	9.05 MT
IBM ASP of Mineral	NA
Estimated Value of Resources at IBM ASP (Grade of Mineral) & (Resources)	-

EXPLORATION STATUS

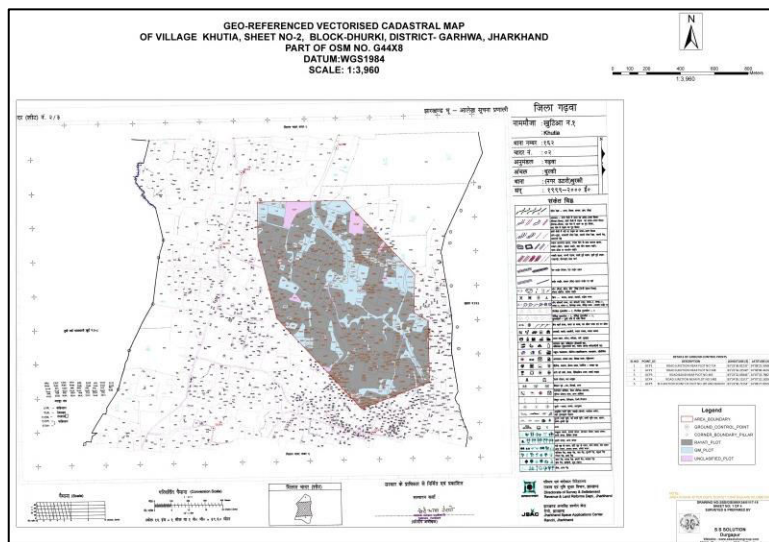
Exploration Level (G2/G3/G4 etc.)	G-2
Exploration Agency (GSI/DMG/MECL)	DMG
Number of Boreholes and drilled meterage	30/474.5m

KEY FEATURES

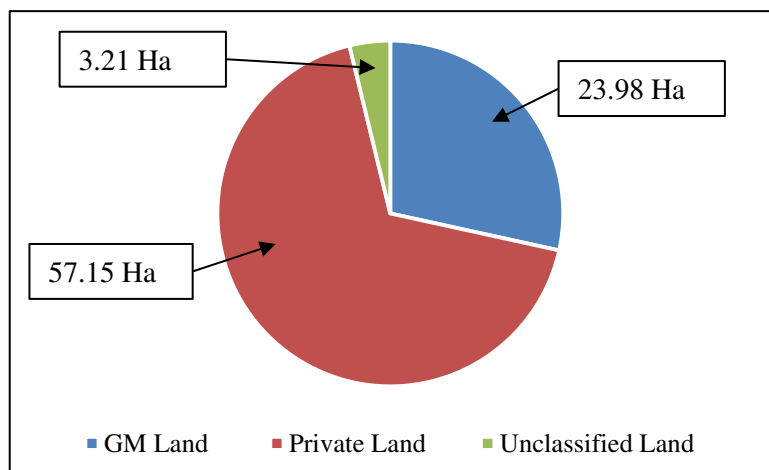
Water Availability (River/Other Source)	local wells
Nearest Highway Distance (km) & Connectivity (SH/NH)	8 km from Ghaghra Netarhat State Highway
No of same mineral mines in 50 km radius (no of mines) and their total yearly production (MT)	7 mines
Mineral Demand prospect in 20/30 years	

ML of Khutia Limestone Deposit

GEOLOGICAL MAP



LAND SCHEDULE



MINERAL BLOCK FEATURES

Total Area	84.34 Hectare
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MINERAL RESOURCES

Total Mineral/s resources (MT)	Limestone - 0.02MT, Dolomite - 1.13 MT
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IBM ASP of Mineral	NA
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Estimated Value of Resources at IBM ASP	-
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(Grade of Mineral) & (Resources)	-
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EXPLORATION STATUS

Exploration Level (G2/G3/G4 etc.)	G-2
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Exploration Agency (GSI/DMG/MECL)	DMG
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Number of Boreholes and drilled meterage	21/705.9m
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KEY FEATURES

Water Availability (River/Other Source)	
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Nearest Highway Distance (km) & Connectivity (SH/NH)	115 km from Daltonganj connected by NH75
--	--

No of same mineral mines in 50 km radius (no of mines) and their total yearly production (MT)	
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Mineral Demand prospect in 20/30 years	
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Proposed Mineral Blocks identified for Exploration by MECL

The following mineral blocks are identified for exploration by MECL as per MoU signed with the State

Sl.No.	Block Name	District	Mineral	Date of Commencement	Completion Time as per MECL proposal (in months)
1.	Amtipani	Gumla	Bauxite	Jan. '18	08
2.	Harup	Gumla	Bauxite	Apr. '18	06
3.	Kujam	Gumla	Bauxite	Mar. '18	09
4.	Mahuapattoli – Harduba	Gumla	Bauxite	May '18	08
5.	Mahuapattoli – Harduba	Gumla	Bauxite	Jan. '18	09
6.	Garh Pat Plateau	Lohardaga	Bauxite	Aug. '18	13
7.	Madua Pat -1	Lohardaga	Bauxite	May '18	08
8.	Madua Pat -2	Lohardaga	Bauxite	Mar. '18	08
9.	Pulung Pat Plateau	Lohardaga	Bauxite	Feb. '19	06
10.	Khamar Pat Plateau	Lohardaga	Bauxite	Apr. '19	08

INVESTMENT ADVANTAGE – JHARKHAND (1/3)

Location

- Location advantage as it is close to the vast market of eastern India (West Bengal in the east, Uttar Pradesh and Chhattisgarh in the west, Bihar in the north and Odisha in the south) and bestowed with variety of mineral resources
- It is closer to the ports of Kolkata, Haldia and Paradip.

Connectivity

Rail Connectivity

- 2,181.93 km of railway lines
- Excellent goods-handling and ore-loading facilities available at various stations. Eastern Corridor extension to Kolkata would pass through Jharkhand

Air Connectivity

- Excellent flight connectivity from Ranchi airport
- Airstrips at Jamshedpur, Dumka, Dhanbad, Bokaro, Giridih, Deoghar, Hazaribagh, Daltonganj and Noamundi

Road Connectivity

- Amritsar- Delhi- Kolkata Industrial Corridor- a project spanning across eastern India connecting 20 cities.
- Ranchi- Patratu- Ramgarh industrial corridor- 70km long corridor with an influence area of 1400sq.km
- Kodarma- Behragora Industrial Corridor – 285 km long corridor with an influence area of 5700 sq.km

Skilled Manpower

- India's best colleges including IIM, IIT-ISM, NIT, BIT & XLRI
- 5 reputed research institutes involved in research in the fields of iron, steel, mining and metallurgy

INVESTMENT ADVANTAGE – JHARKHAND (2/3)

Policies & Regulation

- Jharkhand Minor Mineral Concession Rule- 2004
- Jharkhand Minor Mineral (Auction) Rules- 2017
- Jharkhand Minor Minerals (Evidence of Mineral Contents) Rules- 2018
- Jharkhand Mineral (Prevention of illegal mining, Transportation and Storage) Rule 2017
- Jharkhand State Sand Mining Policy- 2017

Mineral Resources

- Jharkhand is blessed with 40% of the mineral reserves of the country.
- State is endowed with 30+ types of mineral resources ranging from Stone to Emerald, Coal to Uranium
- Jharkhand ranks 1st in coal, 2nd in Iron Ore, 3rd in copper and 4th in Bauxite ore resources and is the sole producer of coking coal, uranium and pyrite

Mineral Industries

- 24 coal blocks in Jharkhand allocated to various companies
- Produces about 25% of the country's steel, and with the proposed expansion in the number of integrated steel plants, expected to be a future steel-hub.
- Presence of leading mining players of the country – CIL, SAIL, NTPC, Tata Steel, Aditya Birla Group, JSW, Usha Martin

INVESTMENT ADVANTAGE – JHARKHAND (3/3)

Investor facilitations

- Ranked 5th FDI destination in India
- Ranked 1st in Implementation Scorecard - Ease of Doing Business in India in 2017
- Ranked 3rd in Ease of Doing Business in India in 2017

Single Window Clearance

- Interactive system to identify approvals required
- Easy access to all information

Reduced Timelines

- Professional Tax registration in 1 working day
- Inspector reports in 72 hours: PCB, Forest, Urban, Commercial Tax and Labour Dept
- Water allocation approval in 30 days

Ease in Environment Compliance

- No pollution clearance required for 58 sectors.
- Auto renewal of CTO on self- certification

Simplified regulations

- Single joint inspection for 14 labour laws / Inspection once in 5 years
- Five years validity of Factories license

Other

- Man days lost due to industrial strike lowest in India & long history of industrial harmony
- 1st in country to have SWAN under National e- Governance Plan and CSC in rural area
- One of Asia's biggest auto manufacturing clusters

STATE HANDHOLDING

LOI GRANT

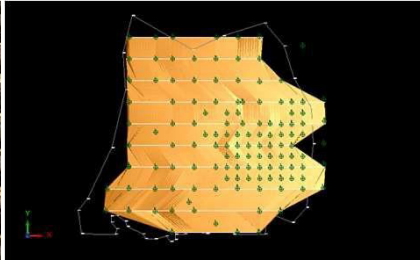
Within a week of payment of first instalment of upfront payment

CLEARANCES

At apex level, will assist the preferred bidder in obtaining statutory clearances within the time limit.

LAND AQUISITION

Will assist the preferred bidder in acquiring land from Department of Revenue, registration & Land Reforms as per applicable laws.



Thank You