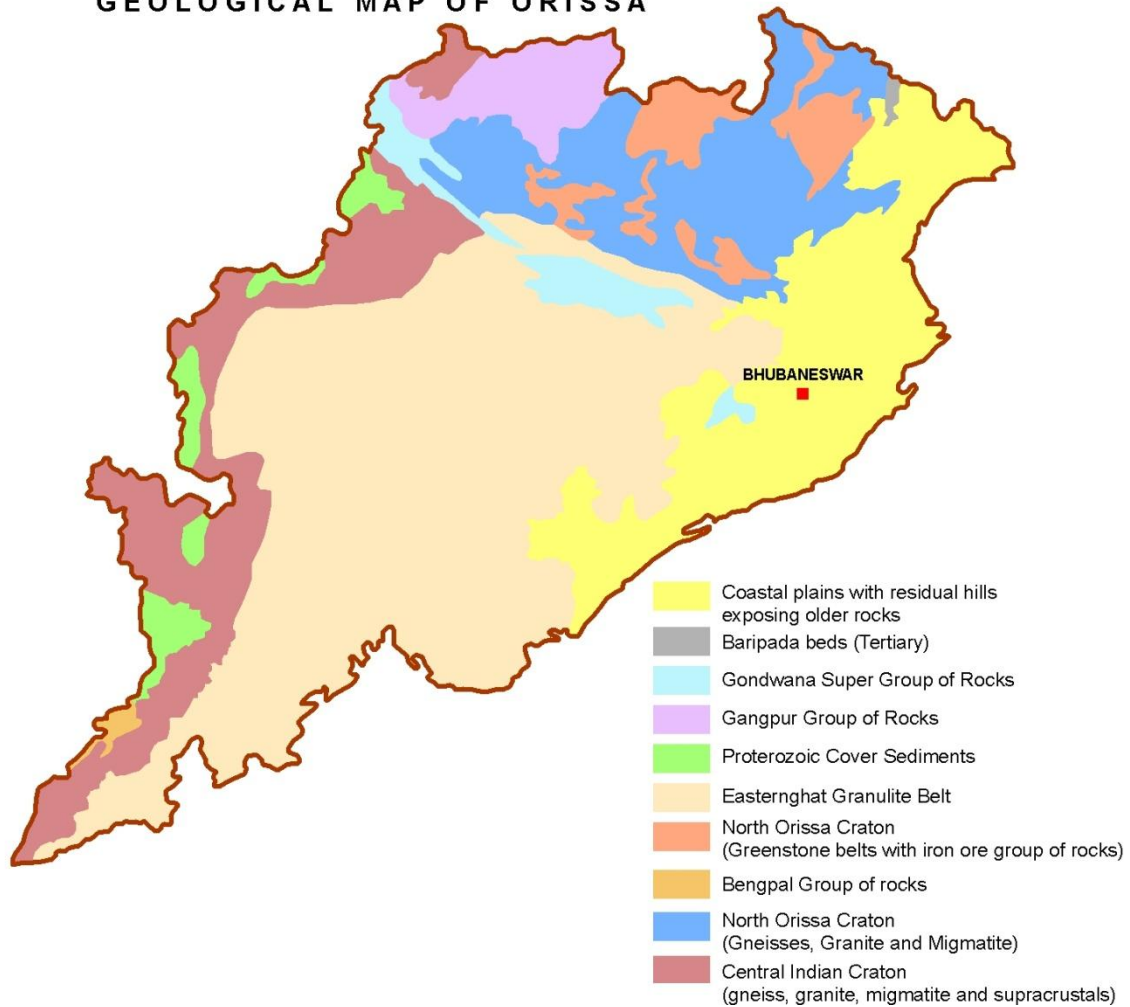


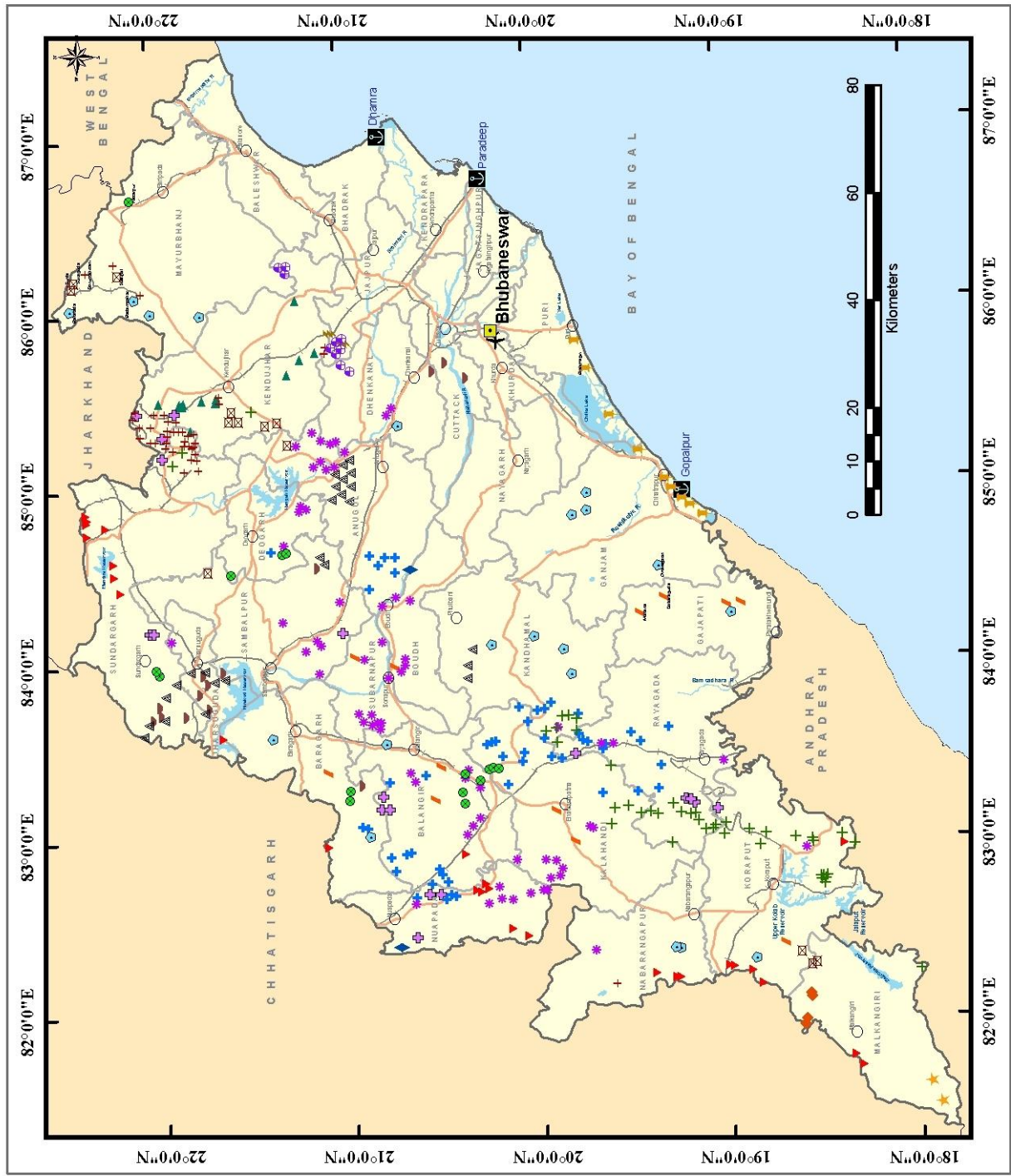
# COMPENDIUM OF MINERAL RESOURCES OF ORISSA

GEOLOGICAL MAP OF ORISSA



Government Orissa  
Department of Steel and Mines  
2009

# MINERAL MAP OF ORISSA



## Legend

- |   |                   |   |                        |
|---|-------------------|---|------------------------|
| ★ | Asbestos          | ★ | State Capital          |
| ● | Basemetal         | ✈ | Airport                |
| + | Bauxite           | ⚓ | Port                   |
| ● | Chinaclay         | ○ | District headquarters  |
| ● | Chromite          | — | State boundary         |
| ▲ | Coal              | — | District boundary      |
| ◆ | Diamond           | — | National Highway       |
| ▼ | Fireclay          | — | Railway                |
| ★ | Gemstone          | 🌊 | Lake, Reservoir, River |
| ⊠ | Gold ore          |   |                        |
| + | Graphite          |   |                        |
| ★ | Heavy mineral     |   |                        |
| + | Iron ore          |   |                        |
| ▲ | Limestone         |   |                        |
| ⊠ | Manganese ore     |   |                        |
| ⚡ | Nickel ore        |   |                        |
| ▲ | Pyrophyllite      |   |                        |
| ▲ | Quartz/ Quartzite |   |                        |
| ◆ | Tin ore           |   |                        |



**GOVERNMENT OF ORISSA**  
**DIRECTORATE OF GEOLOGY**  
**DEPARTMENT OF STEEL AND MINES**

Orissa, situated on the eastern seaboard of India is one of the gifted parts of the World, where a gamut of mineral resources exist in bounty. The state is endowed with large reserves of bauxite, chinaclay, chromite, coal, dolomite, fireclay, graphite, gemstones, iron ore, limestone, manganese ore, mineral sand, nickel ore, pyrophyllite and quartz. Recent discovery of diamond in the Dharambandha area of Nuapada district by the State Directorate of Geology has added a coloured feather in the cap of the state. Other minerals of the state include copper ore, lead ore, titanium bearing vanadiferous magnetite, talc/ soap stone and high magnesia igneous rocks. Recent boom of the mineral industry has turned the state in to a hotspot, with entrepreneurs from all over the World crowding the state for their share of fortune.

The rich mineral wealth of the state is attributed to its favourable Geological setup. Situated on the eastern fringe of the peninsular India, Orissa has about 72.5% of the area occupied by Precambrian metamorphic rocks (of Archaean and Proterozoic age) which hosts the majority of the minerals. The Gondwanas hosting the coal resources occur over about 8% of the landmass. The tertiary and quaternary formations, occupying rest of the area, provide avenues for aluminous/ nickeliferous laterite and heavy minerals (in beach sand).

The Archaean rocks in northern Orissa include the Supracrustal belts of metasedimentary rocks including Iron Ore Super Group having deposits of iron, manganese, gold and basemetals. These are also represented by the gneisses, granite, migmatite (Singhbhum, Bonai and Mayurbhanj Plutons) and mafic/ ultramafic intrusives. These intrusives are associated with the chromite, titaniferous vanadiferous magnetite and PGM. The Bastar cratonic complex of Archaean age in the Western Orissa includes gneisses, granite, migmatite and Strontium-Tantalum-Niobium bearing pegmatites.

Proterozoic rocks in the western Orissa exhibit platformal sedimentary formations and associated limestone deposits. In north-western Orissa they contain metasediments of low to medium metamorphic grade classified as the Gangpur Group, which host manganese, limestone and Lead-Zinc deposits. In central and southern Orissa, the Proterozoics are represented by the Easternghats granulite belt comprising of khondalite, charnockite, migmatite, anorthosite and alkaline rocks accounting for the mineralisation of bauxite, manganese, graphite and gemstones.

The Mesozoic rocks of Gondwana Super Group host the major coal resources of the state.

Formations of Cenozoic age occupy the eastern coastal plains in form of alluvial sediments, ash beds and low level laterite, providing avenues for occurrence of beach

sand minerals and building materials. The deltaic fans extending into offshore regions play hosts for oil and gas.

Orissa has a lion share of the Country's mineral reserves. The chromite, nickel, bauxite, iron ore and coal resources of the state respectively stand at a staggering 83, 92, 55, 38 and 26 percent of India's total reserves. Some of these minerals also account for a visible spot in the world's mineral map. The state's mining revenue during 2008-09 amounted to approximately Rs 1380.59 crores.

Several mineral based industries have already come up in the state. The major ones include Rourkela Steel Plant, Alumina refinery and smelter of Nalco at Damanjodi and Anugul, Charge chrome plants at Baminipal, Bhadrak, Choudwar and Theruvali by OMC, FACOR, ICCL and IMFA respectively, Mineral sand separation unit at Chhatrapur by IRE. Many cement and sponge iron plants have been set up. Coal based thermal power plants have been set up at Talcher, Kanihan and Banaharpali. Captive thermal power plants have also been set up by NALCO, RSP, ICCL, INDAL etc. and many more are in the pipeline.

The dynamic State Government of Orissa has left no stone unturned in cashing in on the attention it has been getting from different business houses in recent times. The visionary Chief Minister with his view on the future development of the state has signed 79 MoUs with various companies to setup mineral based industries with a total proposed investment of Rs 3,65,327.20 crores, which is supposed to provide value addition to the mineral wealth thereby augmenting employment and enhancing the economic standard of the public. The huge mineral resources of the state, 480 km long coastal stretch, the liberalised economic policy of Govt. of India, Industrial Policy 2007 and availability of infrastructural support makes the state an investor's paradise.

## **ACTIVITIES OF STEEL AND MINES DEPARTMENT**

With the liberalized economic policy of Government of India, huge mineral resources of Orissa have now drawn worldwide attention for large scale mining and processing by setting up mineral based industries. With a view to utilize the rich mineral resources gainfully, the main functions and activities of the Department of Steel and Mines are systematic survey and assessment of the mineral deposits of the state, their exploitation, administration of mines and mineral concession, enforcement measures for prevention of illegal mining and smuggling of minerals, assessment and collection of mining revenue, study of the impact of mining operation on environment, formulation of appropriate environmental control measures and research exploitation of minerals for meeting the needs of mineral based industries in the state and country. The Steel and Mines Department is the administrative department of the Directorate of Geology, Directorate of Mines, and Orissa Mining Corporation Ltd.

### **DIRECTORATE OF GEOLOGY, ORISSA**

The Directorate of Geology, Orissa came into existence after the bifurcation of Directorate of Mining and Geology during the year 1997. Prior to this, the Directorate existed as the Geological Survey and Exploration Wing of the then Directorate of Mining and Geology. The Directorate of Geology executes different mineral investigation programme as per the decision taken in the State Geological Programming Board Meeting held annually. This Directorate through its sustained exploration efforts has contributed significantly for assessing minerals/ores like iron ore, chromite, coal, bauxite, limestone, tin, base metal, heavy minerals in beach sand, gemstone, diamond, gold etc.

### **OBJECTIVE OF THE DIRECTORATE OF GEOLOGY**

Objective is to carry out systematic and scientific geological/ mineral exploration leading to assessment of mineral resources of the state.

## SPECIAL FACILITIES AVAILABLE

### DRILLING

The drilling wing of the Directorate is equipped with 35 drilling rigs including one truck mounted DTH drilling rig. Directorate has the capability of achieving about 10,000 m of drilling in a year and has the drilling expertise in the field of coal, limestone, beach sand, chromite, bauxite, iron ore and ground water etc. Directorate takes up promotional as well as commercial drilling.



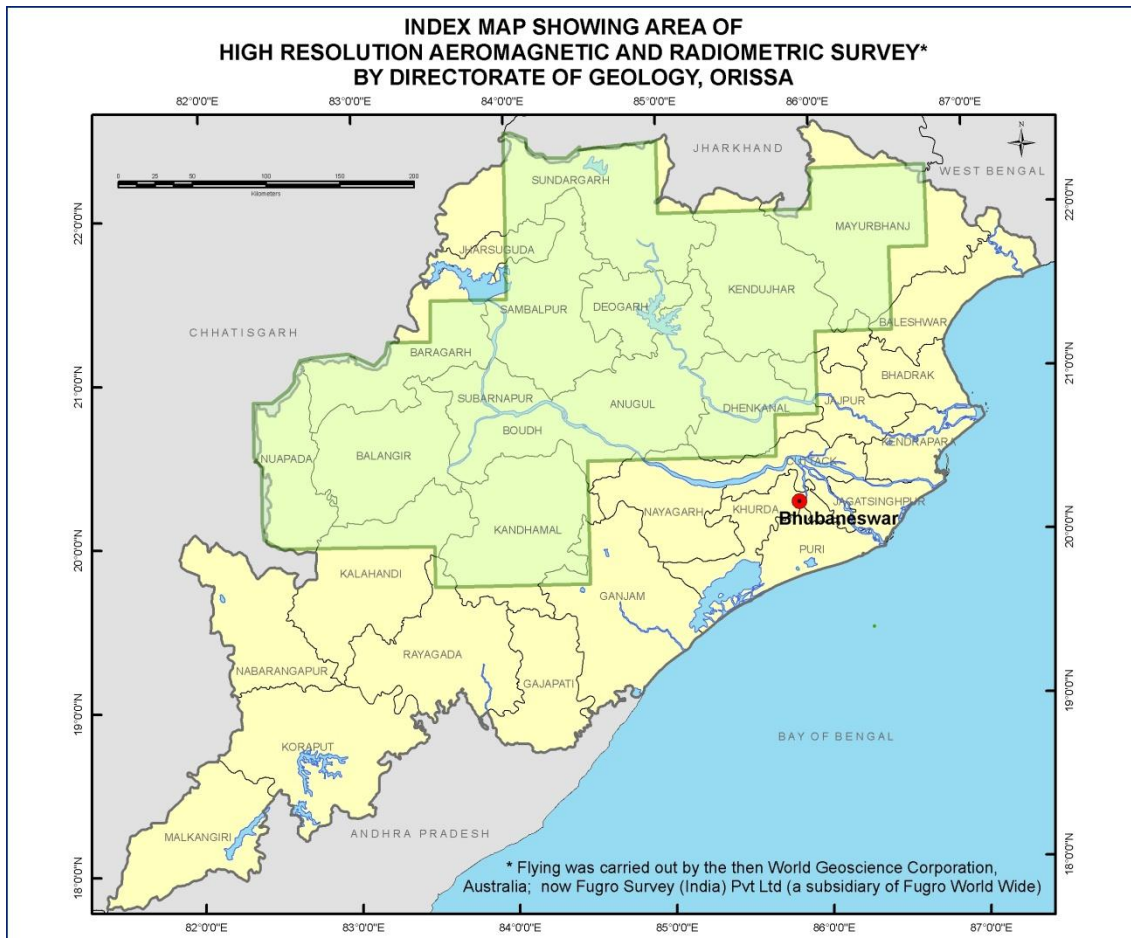
### DATA PROCESSING CENTRE

The Data Processing Centre of the Directorate is unique and one of the largest in the country considering the variety and enormity of its database. The Data Processing Centre is equipped with latest state of the art hardware and software to handle the data/ image processing and GIS chores. The centre has a central Sun Fire V440 Server, a number of PCs, large format plotters, scanners, printers and copiers to handle the day to day assignments. Latest software like ArcGIS, Autodesk, Surpac Minex and Geosoft are used for the data/ image processing and GIS operations. A pool of trained Geoscientists effectively handles the above tasks. Its database can be broadly divided into two types – The HRAMS database & the GIS database.

#### HRAMS Database

The HRAMS database contains both digital as well as hard copy data obtained from the Airborne Survey conducted for acquisition of magnetic, radiometric (including 256 channel) and DEM data over 75,000 sq km area of the State's mineralised hard rock terrain from an average altitude of 70 – 80 m. The traverse lines flown in north-south direction during the Survey were spaced at 250 m apart where as the east-west oriented tie lines were flown at 2500 m apart. Along the traverse and the tie lines magnetic intensity data were collected at 7 – 8 m interval whereas

radiometric and elevation data were collected at 70 -80 m interval. This has generated a huge volume of useful digital line as well as grid data over 3,30,000 line km, which has been processed and stored in a state of the art sophisticated Data Processing Centre of the Directorate of Geology.

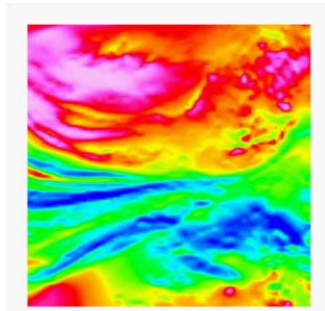


The products of the HRAMS database include:

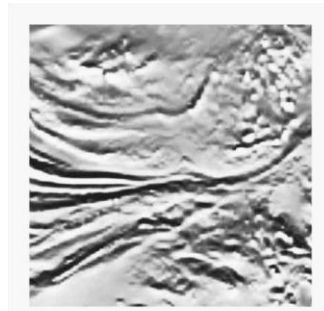
- Magnetic images, contours and their derivatives
- Radiometric images and Contours of K, Th, U and combinations
- Digital Elevation Model images and contours
- Landsat Thematic Mapper satellite imagery (procured data)
- Various merged and combined imagery for enhanced utility e.g. merged radiometric landsat image which supports quick interpretation of litho-contacts



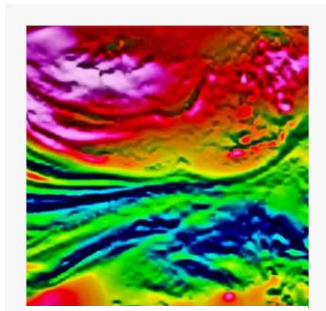
*Landsat Imagery*



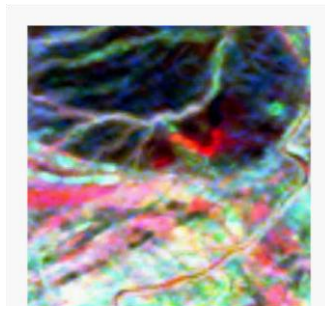
*TMI Image*



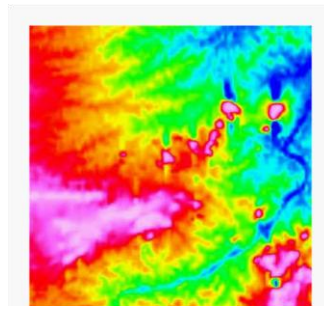
*1VD Image*



*TMI+1VD Image*



*Radiometric Ternary Image*

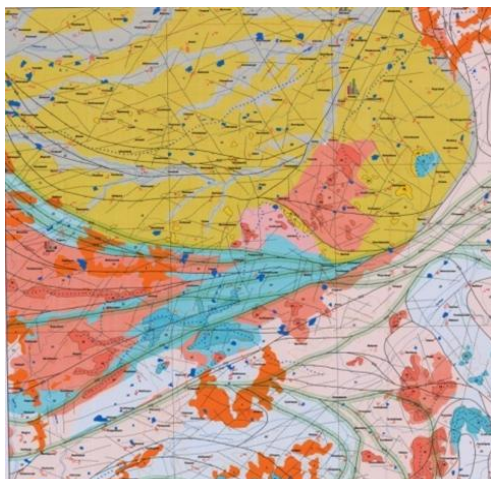


*Digital Elevation Model Image*

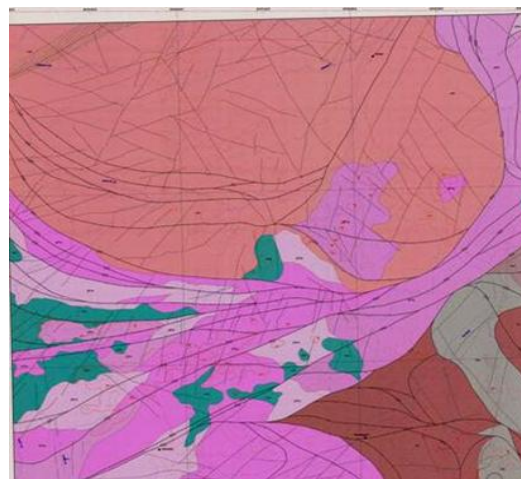
The above data are particularly useful in geological mapping, mineral exploration, groundwater targeting and geomorphological analysis.

### **The GIS Database**

The GIS database includes interpreted maps of the HRAMS data for 109 toposheets in 1:50,000 scale as well as various other geological and mineral maps of the state in various scales.



*Sample Hydrogeology Target Map*



*Sample Solid Geology Interpretation Map*



**Data Users:**

The AMS data is being used by the State run Rural Water Supply and Sanitation Department for groundwater targeting in the State. A number of national and multinational companies have evinced keen interest in the data. Atomic Mineral Exploration Directorate, Government of India; BHP Billiton; De Beers; Rio Doce (CVRD, Brazil); Rio Tinto, Sesagoa and Tata Steel have purchased the Orissa AMS data for use by their exploration pursuits.

**Availability of Data:**

- Existing line/grid data, images, contours and interpreted maps are available for sale at reasonable prices on multi-client basis.
- The data has been priced on the basis of US\$ 3.00 per line km (subject to change without notice). Hard copies of images, contours and interpreted maps are sold at much lower price.

**PRICE CHART OF AIRBORNE SURVEY DATA OF ORISSA, INDIA (IN US \$)**

**I. SURVEY DATA**

**A. Digital Data**

Sl. No.	Item	Per sq. km	Per 1:50,000 scale Toposheets
<b>1.</b>	<b>Magnetic + Radiometric +Elevation Data</b>		
a.	Line + Grid Data	13.2	9,504
b.	Line Data only	12	8,640
c.	Grid Data only	2.5	1,800
<b>2.</b>	<b>Magnetic Data</b>		
a.	Line + Grid Data	10	7,200
b.	Line Data only	9	6,480
c.	Grid Data only	2	1,440
<b>3.</b>	<b>Radiometric Data</b>		
a.	Line + Grid Data	3	2,160
b.	Line Data only	2.5	1,800
c.	Grid Data only	1	720

<b>4.</b>	<b>Elevation Data</b>		
a.	Line + Grid Data	2	1,440
b.	Line Data only	1.75	1,260
c.	Grid Data only	0.5	360

**B. Hard Copies**

**5. Images/Contours**

Sl. No.	Item	1:1,000,000 scale (Entire Project Area)	1:500,000 scale (Entire Project Area)	1:250,000 scale (1° x 1° area)	1:100,000 scale (30' x 30' area)	1:50,000 scale (15' x 15' area)
a.	Magnetic Image/Contour  (TMI/TMI RTP/RTP IVD)	320	400	240	120	60
b.	Magnetic Image  (TMI RTP + IVD)	520	600	320	160	80
c.	Ternary Radiometric Image  K+Th+U in RGB	160	200	80	40	20
d.	Single Band Radiometric Image/Contour	80	120	40	20	10
e.	Digital Elevation Model  Image/Contour	60	80	30	15	7.5

**6. Other Images/ Maps**

Sl. No.	Item	1:50,000 scale (15' x 15' area)
a.	Merged Images of two or more types of Data and/or with topo coverage.	120

b.	Stacked Profiles	80
c.	Flight path map	40

**II. GIS DATA**

**III. Interpreted Maps**

Sl. No.	Item	1:50, 000 scale (standard sheet)
1.	Geological Interpretation (Hard Copy)	200
2.	Geological Interpretation (Hard Copy + Digital Data)	400
3.	Hydrogeological Interpretation (Hard Copy)	200
4.	Hydrogeological Interpretation (Hard Copy + Digital Data)	400
5.	Geological + Hydrogeological Interpretation (Hard Copy)	350
6.	Geological + Hydrogeological Interpretation (Hard Copy + Digital Data)	700

**The actual price, if paid in Indian Rupees, will depend upon the exchange rate prevailing at the time when indent is received by Director of Geology, Orissa.**

**NB**

Pricing is based on US \$3/ line km. One sq. km area contains approximately 4.4 line km.

- The actual price in case of digital data over an area will depend upon the exact line km involved.
- The minimum unit of sale shall be an area bounded by 15 minutes of latitude and 15 minutes of longitude, i.e., one Survey of India Toposheet of 1:50, 000 scale.
- Digital data will be available on 1.44 MB floppies, 8 mm data cartridges and CDs. The choice of media may be indicated by the buyer and the cost of media will be borne by the buyer. The buyer is also at liberty to provide the media on which he wants the data.
- The buyer or the authorized representative shall furnish an undertaking to the effect that confidentiality of the data would be maintained and it would not be transferred to a third party.
- Data in hard copies and plot files will be available with Lambert Conformal Conic projection ( Everest Spheroid Zone IIIA).
- The Directorate of Geology reserves the right to decide whether or not to sale any data to any customer without assigning any reason thereof.
- Government of Orissa may revise the price from time to time.
- Data not mentioned under price structure can also be procured on negotiation.
- The hydrogeological target maps will be available to the user agencies of the State of Orissa at a price of Rs.500/- per sheet.

## REMOTE SENSING CELL:

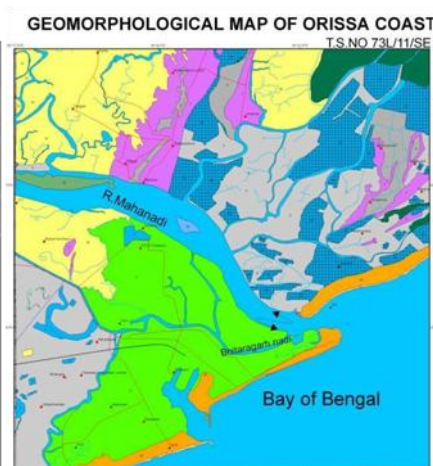
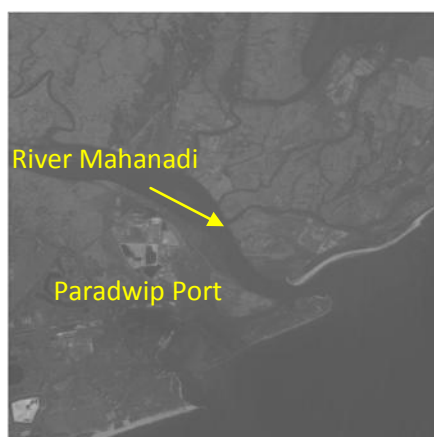
The Cell with well trained Remote Sensing and GIS personnel has many-fold potentiality in rendering services for promotion of geological exploration and geo-environmental activities. It is equipped with 29,400 nos of aerial photographs and 228 nos of IRS 1A/B imagery covering the hilly/mountaineous tract of the state, Which are used for interpretation of geology, land use/land cover, geo-environment etc.

The cell is equipped with:

- i) Personal computer
- ii) Procom for change detection
- iii) Mirror stereo scope
- iv) Stereo pantometer
- v) Optical pantograph

The cell is actively engaged in providing the interpreted lithostructural/geomorphological/land use/land cover maps to different investigation units operating in the state. Besides, the cell has taken up a project based on remote sensing studies for analysis of coastal geomorphic features of Orissa coast under the sponsorship of Ministry of Environment and Forest (MOEF, Govt. of India). The cell has the capacity to carry out any work relating to geology, soil, ground water, geomorphology, geoenvironment studies etc on the basis of remote sensing.

*IRS 1D PAN image of 73 L/11*



## GEOPHYSICAL CELL

The Geophysical unit of the Directorate of Geology is capable of undertaking geophysical prospecting for various minerals including groundwater. Various methods of exploration such as resistivity sounding, resistivity profiling, Self Potential Survey,

Electromagnetic and Magnetic Survey are conducted all over the State to study the occurrence of a range of minerals and groundwater. The unit is equipped with DC and AC Resistivity Meters, Sirotem, Proton Precision Magnetometers, Susceptibility Meters, Geophysical Logger Unit and Scintillometers.

Some of the recent activities of the Geophysical Cell of the Directorate of Geology are:

- i. Geophysical Exploration of galena and gold in various parts of the state
- ii. Groundwater Exploration in many parts of the State including Bhubaneswar, Balangir, Dhenkanal, Khurda, Jajpur, Phulbani, Nyagarh etc.
- iii. Coal in-crop studies in Gopal Prasad area of Talcher Coalfields
- iv. Exploration for graphite in Phulbani, Balangir and Rayagada
- v. Quartz vein studies in Kendujhar
- vi. Basemetal in Baragarh and Balangir
- vii. Exploration for diamond from primary source in Nuapada district and delineation of palaeo-sediment deposits for secondary diamond in Baud district
- viii. Iron ore exploration in Mayurbhanj district
- ix. Geophysical Logging in Phulbani, Balasore, Bhadrak, Cuttack and Kendrapara areas
- x. Basin evaluation studies of Jajpur and Puri-Konark areas

The Geophysical Cell of the Directorate also takes up a variety of exploration assignments from private entrepreneurs on commercial basis.

#### **GEM TESTING LABORATORY**

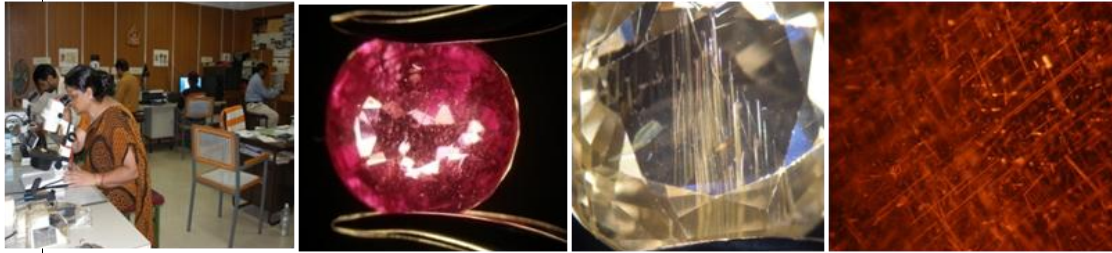
The State of Orissa known as *Mini Brazil*, the glittering land of gemstones has assumed international prominence because of its wide array of coloured stones and diamond. Against this backdrop, the Gem Testing Laboratory was established in the Directorate of Geology in 1991 under the auspices of the United Nations. It is actively involved in identification and characterisation of coloured stones and diamond on promotional and commercial basis. Its highly trained personnel are well versed with all aspects of modern determinative gemmology including distinction of natural gems from among the myriad synthetic, imitation and fake stones. The laboratory is engaged in identification of thousands of coloured stones, diamond, organic gems, synthetic stones and certification thereof each year. Inclusion study aided by photomicrography, support the gemstone and diamond exploration of the Directorate. The testing charge which is the lowest in comparison to that of any other reputed laboratory of the country.

#### **Gem Testing Charges:**

Diamond, Ruby, Sapphires of all colours, Alexandrite & Emerald- Rs.200/- (Per piece)

All Other stones – Rs. 150/- (Per piece)

High priority testing – Rs. 500/- (Per piece)



### PETROLOGY LABORATORY

The petrological laboratory is an integral part of the Directorate as it guides geologists working in the field to orient their future course of action. This laboratory manned by trained and experienced petrologists is equipped with Polarising Microscope, Ore Microscope, Stereobinocular Microscope, Rock cutting machine, Grinding and Polishing machine.

The Petrological laboratory undertakes the following works:

**Thin section study of rock samples:** Identification of minerals, textural relationship, grade of metamorphism, degree of alteration, micro structure (if any) and precise nomenclature and classification of rock sands.

**Ore Microscopic Study:** Identification of ore minerals, texture and nomenclature

**Beach Sand Study :** Identification and grain counting of minerals like ilmenite, rutile, zircon, monazite, sillimanite, garnets etc. of samples collected from Ganjam-Puri coast

**Diamond Indicator Mineral Scanning :** Identification of diamond indicator minerals like ilmenite, picroilmenite, pyrope and chrome-diopside.

The laboratory has a well equipped grinding and polishing unit for preparation of thin and polished sections. This is the only petrological laboratory in the state which not only caters to the need of the geologists of this Directorate but a number of private mining entrepreneurs get their samples analysed here on payment basis (Rs. 500/- per sample).



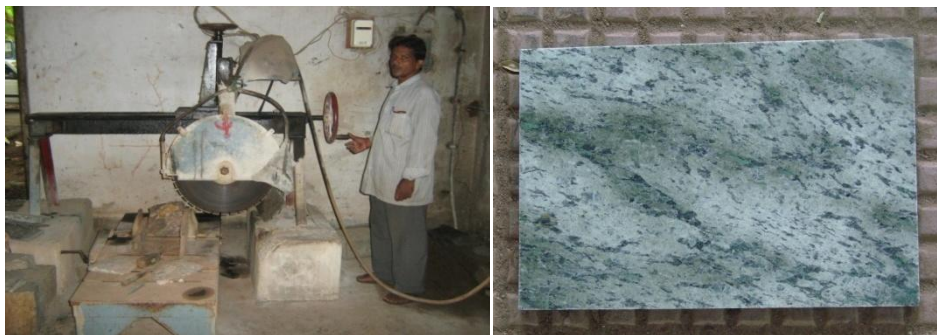
## DIAMOND LABORATORY

For investigation of primary source rock of diamond gravel, loam and bulk concentrate samples are collected from field and processed in the Diamond Laboratory. The final concentrate samples are scanned in the observation laboratory to prove the incidence of diamond within the primary kimberlite/lamproite rocks. Total 742 tons of bulk samples collected from three locations have been processed and final concentrates scanned in the diamond laboratory out of which the Kalmidadar lamproite pipe has been proved to be diamondiferous. A total of 106 nos. of diamond grains varying from 1 cent to 2.11 carat with total weight of 28.855 carats have been collected from the bulk sample concentrates of the Kalmidadar diamondiferous olivine lamproite in this diamond laboratory.



## GRANITE CUTTING & POLISHING LABORATORY

The laboratory undertakes cutting and polishing of samples to ascertain suitability and beauty of samples collected from Dimension Stone Project. Apart from departmental work the section undertakes cutting and polishing work on payment basis (Rs. 350/- per sample).



- **ORE DRESSING LABORATORY**

The Ore Dressing Laboratory undertakes processing of ores, minerals, Diamond Indicator Mineral (DIM) samples (gravel, loam and bulk concentrate) and beach sand samples. The processes involved are laid below.

*Processing of ores and mineral samples:*

Various beneficiation techniques such as crushing, grinding, classifying, gravity separation, flotation, magnetic separation etc. are adopted.

*Processing of bulk, loam and gravel samples for DIM:*

These samples undergo processes like cleaning, gravity separation, heavy liquid separation, magnetic separation etc. Equipment like scrubbers, mineral jig, Pleitz jig, half deck wifely table, high force magnetic separator, hand magnet and other instruments like platform balance etc.

*Processing of beach sand samples:*

The process of separating heavy minerals from beach sand involves steps of acid treatment, size separation, heavy liquid separation and magnetic separation. The equipment involved are Rotap Type Sieve Shaker, Heavy Liquid Separation Unit, High Force Magnetic Separator, Hand Magnet or Isodynamic Separator, Digital Balance etc.



- **REPORT CELL** stores all the data generated by geological investigation. Exploration data are provided to the interested entrepreneurs on payment on on specific requisition
- **INFORMATION AND PUBLICATION CELL**  
The cell has been created to publish the departmental journal “The Explorer”, Mineral resources of Orissa at a glance, District Mineral Brochures, Booklets on different minerals etc.



## **ACHIEVEMENT OF THE DIRECTORATE**

- Proving of 500 million tonnes of iron ore resources in Baliapahar, Mithihuda, Basada, Khandadhar deposits of Sundargada & Kendujhar districts
- Assessment of 800 million tonnes of bauxite resources through exploration in Panchpatmali (Koraput), Gandhamardan (Balangir-Baragada), Sasubohumali-Bhasangmali (Rayagada), Karlapat (Kalahandi), Baphlimali (Rayagada), Dholkatapahar (Kendujhar) and other small deposits.
- Assessment of 31 million tonnes of heavy minerals (ilmenite, rutile, zircon, sillimanite, garnet and monazite) in the beach sands along the Orissa coast
- Assessment of around 18 million tonnes of chromite ore in the Sukinda Valley
- Assessment of 4,457 million tonnes of coal reserves in Talchir coalfield and 2,445 million tonnes of coal in the Ib-Valley coalfield. Total proving of 9,602 million tonnes of thermal (A to G) grade coal.
- Assessment of 3 million tonnes of fireclay deposit in Talabasta area
- Limestone reserves of 250 million tonnes have been proved in the Sunki valley, Khariar, Kotametta, Kiringsera deposits.
- A diamondiferous lamproite rock has been discovered in the Kalmidadar area of Nuapada district through persistent exploration efforts. Potential satellite bodies of kimberlite/ lamproite have been discovered around Pokhanpadar, Supuli, Bharuamunda, Kathiwadi and Arkholi etc. in the same district.
- 21 gem belts out of 28 Gem bearing tracts identified through UNDP aided project have been investigated in detail in the Kalahandi, Nuapada, Balangir, Boudh, Subarnapur, Anugul and Sambalpur districts.
- 4 million tonnes of titanium bearing vanadiferous magnetite deposit have been established in the Betjharan-Kumardubi belt in Mayurbhanj district.
- 253 tonnes of tin ore was assessed around Mundaguda, Mohapadar and Temurpalle of Malkangiri district.
- Remote Sensing study for analysis of coastal geomorphological features over 6,194 sq km area along the Orissa coast for landuse planning and coastal management.

## **ACHIEVEMENT OF THE DIRECTORATE DURING LAST FIVE YEARS**

- Proving of thermal grade coal resources to the tune of 66 and 70 million tonnes respectively in Talcher coal field & Madhupur block of Ib Valley coal field
- Proving of 6 million tonnes of heavy minerals in beach sands of Puri Coast
- Proving of 10.4 million tonnes of iron ore in Dengula (Dholtapahar) in Sundargada district & 1 million tonne of iron ore in Podagarh Pahar in Nabarangpur district
- Exploration of diamond around Dharambandha in Nuapada district revealed the thickness of diamondiferous olvine lamproite to be 4.5m to 17m.

- Proving of 36.5 million tonnes of bauxite in Ramgarh (7 Mt.) of Koraput district, Ushabali (8 Mt.) & Dimoli (21.5 Mt.) of Kandhamal district. Besides, 41 small bauxite pleateau have been delineated in Koraput district.
- Proving of 1 million tonne of cement grade limestone around Garramura in Nuapara district.
- 6,194 sq. km has been covered under remote sensing studies for analysis of coastal geomorphological features along Orissa Coast for landuse planning & coastal management.
- Identified 22 garnet occurrences, 45 iolite occurrences and 1 ruby occurrence has been in Balangir & Kalahandi districts.

## **EXPLORATION PROGRAMME FOR 10 YEARS**

National Mineral Policy, 2008 has emphasized on intensive mineral exploration programmes to augment the resources for fast development of the Nation. Basing on this the exploration programme of the Directorate has been prepared for coming 10 years in the thrust areas like iron ore, bauxite, chromite, coal, heavy mineral sand, manganese, diamond, limestone and dolomite, PGM & Nickel, basemetal and graphite

### **Iron Ore**

- Identification of unexplored iron ore blocks and detailed assessment thereof in Kendujhar and Sundargada districts
- Assessment of possible iron ore resources within & below BHQ/BHJ relating to above area
- Reassessment of Malangtoli, Mankadnacha, Badamgarh Pahar and Baliapahar iron ore deposits of Kendujhar and Sundargada districts
- Assessment of sub-grade iron ore resources of + 45% Fe for future use
- Assessment of titanium bearing vanadiferous magnetite deposits in
- Mayurbhanj district

### **Bauxite**

- Inventory for identification of small bauxite pleateaus (about 200 nos.) and assessment of bauxite resources in undivided Koraput, Kalahandi & Kandhamal districts
- Assessment of sub-grade bauxite resources having +35%  $Al_2O_3$  & -5%  $SiO_2$  content for use by blending and beneficiation.

### **Chromite**

- Proving of extension of Sukinda ultramafic complex in the adjacent areas beyond Sukinda Valley.
- Assessment of chromite upto 350 m depth to augment the resources.
- Assessment of chromite resources having +10%  $Cr_2O_3$  content for use by beneficiation
- Geochemical exploration for locating hidden deposits between Sukinda valley and Baula-Nuasahi

## **Coal**

- Exploration of seam I coal in Talcher Coalfield (Ananta, Jagannath & Bhubaneswari Blocks) for exploitation by underground mining
- Exploration for coal in Ib Valley Coalfield (Madhupur and Manoharpur Blocks) to assess coal resources
- Assessment of coal bed methane in Ib Valley Coalfield

## **Beach Sand (Heavy Minerals)**

- Assessment of heavy minerals like ilmenite, rutile, monazite, zircon, sillimanite and garnet in beach sand of Puri Coast (Chilika to Astaranga)

## **Manganese**

- Assessment of manganese resources in Rayagada & Kendujhar districts
- Reassessment of +15% Mn in the above districts for use after beneficiation

## **Diamond**

- Exploration for Diamond in Dharambandha area of Nuapara district
- Search for Diamond in Sinapali block of Nuapada district

## **Limestone & Dolomite**

- Identification and assessment of low alkali limestone and dolomite in Sundargada district
- Assessment of sub-grade limestone and dolomite deposits as per the threshold value recommended by IBM for future use after beneficiation
- Assessment of small limestone and dolomite deposits in Nuapada, Balangir & Baragada districts.

## **Platinum Group of Minerals (PGM) & Nickel**

- Exploration for PGM (platinum, palladium, rhodium, iridium) & Nickel around Sukinda valley
- Assessment of quantum and grade of nickeliferous overburden in Sukinda valley for its future use after beneficiation.
- Geochemical exploration for PGM & Nickel between Sukinda valley and Baula-Nuasahi

## **Basemetal**

- Geochemical exploration for basemetal in Jareikela-Bamra shear zone between Raghunathpali conglomerate and Iron Ore Super Group of rocks followed by Geophysical exploration.
- Geochemical and geophysical exploration around Kermeli in Baragada district, Saintala in Balangir district and Sisakhal in Kalahandi district to locate hidden deposits.

## **Graphite**

- Assessment of low grade graphite resources in Balangir, Baragada, Kalahandi, Rayagada and Anugul district.
- Geophysical exploration surrounding the existing graphite mines to locate the extension of the graphite deposits

## **RESEARCH & DEVELOPMENT**

- Petrology Laboratory
  - Study of paragenesis of ores/ minerals
- Gem Laboratory
  - Study of the internal structure of gemstones including inclusion patterns to find out the place of origin
- Mineral Observation Laboratory
  - Study of diamond indicator minerals to throw light on proximity of possible occurrences and their provenance
- Mineral Processing Laboratory
  - Carrying out mineral/ ore characterisation and beneficiation studies on plant scale for developing new/ sustainable methods for use of BHJ and ferruginous shale; low grade limestone & dolomite; low grade graphite; sub-grade bauxite, chromite and manganese. Other important prospects are recovery of gallium from lithomarge and tungsten from graphite.
- Creation of Information and Publication Cell
  - Data generated by the Directorate need to be compiled and preserved for publication and sale of the same as and when required. This cell can also facilitate the publication of in-house journals.

## **DIRECTORATE OF MINES, ORISSA**

Directorate of Mines is assigned the responsibility of

- a. Processing of MC applications
- b. Administration of mines (including minor minerals)
- c. Assessment and collection of mining revenue
- d. Preventing illegal mining and smuggling and taking appropriate penalty action.
- e. Inspection of mines
- f. Data base generation about Mineral concessions, mines, production and productivity.
- g. Approval of Mining Plans in respect of certain specified minerals.

Besides the above, the Officers in-charge of the mining circles are required to lend their services for

- i) Peripheral development
- ii) Environment management
- iii) Infrastructure development

### **ACHIEVEMENT OF THE DIRECTORATE DURING THE YEAR 2008-09**

During the year 2008-09 two mining lease for major mineral covering 52.957 hectares has been granted. Besides, 20 prospecting licenses for decorative stones covering 245.317 hectares have also been granted by the state government. Emphasis has been given on grant of mining leases for mineral based Industries for value addition, preferably in the State so as to generate more employment and to promote industrialisation in the State. However, during the financial year 2008-09, 225 applications for P.L. 301 application for ML, 48 (forty-eight) application for RML and 3 (three) for R.P. have been processed and forwarded to Govt. for further action. Likewise the application in respect of decorative stone, QL 14 nos. RML 13 nos. PL 69 nos. ML 9 nos. have been received during the year 2008-09. Similarly 6 quarry leases, 3 RML, 57 PL and 7 ML have been disposed off by the Director of Mines during the year 2008-09.

Effective steps are being taken for enforcement of the Orissa Mineral (Preventions of theft, smuggling and illegal Mining and Regulation of possession, storage, Trading and Transportation) Rules, 2007, framed thereunder to curb the illegal mining activities and trading of Ores/minerals and to prevent leakage of revenue.

During the financial year 2008-09, 844 cases of illegal extraction, storage, transportation of coal, iron ore, manganese ore, chromite, fireclay, quartz to the tune to 36105 MT valued at Rs 667.66 lakhs were dealt and 500 vehicles engaged in such

activities were seized and Rs 537.53 lakhs was realised on account of compounding fee, penalty and cost of mineral.

#### **COLLECTION OF MINING REVENUE:**

Mining Rolyalty is an important source of revenue for a state like Orissa. The collection of mining revenue has steadily increased over the years.

The mineral sector earned revenue to the tune of Rs 1380.52 crores during the year (2008-09) which exceeded the collection figure of the Rs 1126.09 crores during the corresponding period of 2007-08 by Rs 254.43 crores.

During the period, Chemical analysis of 32694 minerals/ore samples consisting of 47912 constituents were undertaken by the Analytical Laboratory of the Directorate of Mines. An amount of Rs 55.41 lakhs was collected on account of analysis charges of commercial samples.

#### **ORISSA MINING CORPORATION**

The chequered march of OMC for the last 53 years has been memorable one for the corporation. A number of new initiatives have been taken which successfully laid the foundation for tuming OMC into a world - class mining company in the years to come. The Corporation is today basking in the glory of being the largest state PSU in the country's mining sector with a turn over of Rs 1963 crores and probably the only state mining PSU in the country with a 3 Star Export House Status.

#### **PRODUCTION:**

With a plethora of MoUs signed by the Government of Orissa with different Steel & Mining Majors, OMC is faced with the challenge to enhance production to record levels. The production figures (in million tonnes) for last 4 years are given below:

<b>Mineral</b>	<b>2005-06</b>	<b>2006-07</b>	<b>2007-08</b>	<b>2008-09</b>
Iron Ore	34,19,193	44,30,506	56,44,969	78,36,870
Chrome Ore	6,46,347	12,39,400	11,58,168	9,35,385
Manganese Ore	81,227	8,299	3,404	-
Chrome Ore (Concentrate)	1,80,896	1,82,989	1,02,728	18,528

**TOTAL TURN OVER PROFIT & DIVIDEND PAID TO GOVT.FOR LAST FOUR YEARS (Rs in lakhs):**

Item	2005-06	2006-07	2007-08	2008-09
Profit before Tax	32,414.67	68,252.00	162,303.13	1,70,000.00
Turn Over	68,005.00	1,08,142.43	196,326.77	2085.27
Dividend Paid to Govt	6,000.00	10,000.00	20,000.00	-

**JOINT VENTURES OF OMC**

OMC has made joint venture with HINDALCO Ltd. and Sterlite Industries Ltd. for exploitation of bauxite in Kalahandi district and also for Coal exploration and exploitation with Andhra Pradesh Mineral Development Corporation in Nuagaon-Telisahi block and jointly with Assam Mineral Development Corporation, Meghala Mineral Development Corporation and Tamilnadu Electricity Board in Mandakini B Block of Talcher coalfield.

A Company in the name Orissa Thermal Power Corporation Ltd. (OTPCL) has been set up in joint venture with Orissa Hydro Power Corporation Ltd. (OHPC) for installation of 1000 MW Thermal Power Plant around Talcher area.

**PROMOTION OF STEEL PLANTS IN ORISSA**

Due to demand for steel worldwide, there has been a major surge of interest in this sector. As Orissa possesses some of the best iron ore reserves of the country as well as vast resources of coal, limestone, dolomite, manganese and chromite ore, major national and international steel producers and corporate houses have shown interest to establish integrated steel plants in the State for value addition to the State's mineral resources.

The Government of Orissa have signed 49 Memoranda of Understanding (MoU) with various Steel Promoters for setting up of steel plants. The proposed investment is of the order of Rs 1,98,150.00 crores and the estimated production is about 75.66 million tonnes per annum of steel which includes one pelletisation plant of 4.00 million tonnes capacity. Of these 49 MoUs, 28 companies have started partial production achieving a production capacity of 4.27 MTPA of Steel, 5.37 MTPA of Sponge iron, 0.63 MTPA of Pig Iron and 0.29 MTPA of Ferro Chrome. These industries have provided direct and indirect employment to 16,490 and 39,908 persons respectively. Investment to the tune of Rs 23,635.36 crores has been made by the promoters for setting up of these industries so far.

The highest FDI in the history of India has come to Orissa M/s Pohang Steel Company (POSCO), South Korea, which is one of the largest producer of steel in the world, has evinced keen interest for setting up a mega steel plant project of a capacity of 12 MTPA in the State in four modules with an investment of about US\$ 12 billion approximately.

Steel & Mines Department is playing a pivotal role for smooth and timely implementation of the projects by undertaking periodic reviews and coordinating with concerned Departments and organisation.



## Mineral Resources of Orissa & India

(As on 1.4.2008)

Sl. No.	Mineral	Reserve in million tonnes	
		Orissa	India
1	Base metal	4.98	552
2	Bauxite	1800	3290
3	China clay	314	2596
4	Coal	65263	253301
5	Chromite	177	213
6	Dimension stone	463.5 million cu. m.	37,426 million cu. m.
7	Fire clay	176	705
8	Graphite	4.47	169
9	Iron Ore	5231	14630
10	Limestone	1010	175345
11	Dolomite	332	7533
12	Manganese	121	379
13	Mineral Sand	85.514	-
14	Nickel Ore	174	189
15	Pyrophyllite	8.4	34
16	Quartz & Quartzite	70	4383
17	Tin Ore	348 tonnes	86
18	Vanadium Ore	2.5	25

N.B. Reserve of Noble metals like Gold and Platinum and that of precious and semi-precious stones have not been assessed as they are distributed as accessory mineral phases within different type of rocks in a very irregular pattern and therefore their reserve have not been mentioned in the above table.

*Source : DG(O), GSI, IBM*

<b>MINERAL RESOURCES OF ORISSA</b>					
<b>MINERAL</b>	<b>DISTRIBUTION</b>	<b>LOCATION</b>	<b>GEOLOGY</b>	<b>RESERVE</b>	<b>USES</b>
<b>BAUXITE</b>	Koraput District	Panchpatmali, Pottangi, Maliparbat, Ballada, Kodingamali, Hatimali, Kakrimali, Chintamgundi, Kornapadikonda, Medamgundi etc.	Associated with Eastern Ghat Super Group of Rocks i.e. Khondalites and Charnockites; Occur as blankets capping the parent rocks on plateau tops.	1800 Million tonnes with >40% Al <sub>2</sub> O <sub>3</sub> and <0.5% SiO <sub>2</sub>	Aluminium industry Refractory industry Chemical industry Petroleum industry
	Raygada District	Baphilimali, Sasubohumali, Pasangmali, Majhigaonmali, Sijimali, Tikrimali, Budharajamali, Taljhir, Dabuguda, Nangalghatmali etc.			
	Malkangiri District	Korkanda, Siktapalli and Korpalli			
	Kalahandi District	Karlapat-Pollingpadar, Kutrumali-Tangridongar, Lanjigarh Niyamgiri, Keluamali, Krishunmali etc			
	Kandhamal District	Anamini Parbat, RukuniKataka, Deomal, Ushabali etc.			
	Kendujhar District	Dhokata pahar,			
	Sundargada District	Tantra, Kodaliala, Jaldihi, Kusumdihi etc.	Associated with manganiferous shales, shales, phyllites of Nuamundi Group		
<b>IRON ORE</b>	Kendujhar District	Roida-Bhadrasahi, Unchabali, Jajang, Jurudi, Belkundi, Bolani, Khandbandh, Katamati, Thakurani, Gandhamardan, Joda-East, Haromoto, Guali, Kasia, Malangtoli etc.	Iron ore bands occur in layered BIF along with volcano-sedimentary rock piles known as Iron Ore Super Group	5231 million tonnes	Pig iron Sponge iron Steel Blast Furnace Alloys
	Sundargada District	Barsuan, Taldihi, Kalta, Khajuridihi, Ganua, Koira, Kurmitarpahar, Rantha, Mankarnacha, Badamgarh pahar, Baliapahar Mithihurda-Basada etc.			
	Mayurbhanj District	Suleipat, Ghusura, Gorumahisani, Badampahar, etc.			
	Jajpur District	Daitari-Tomka			

<b>CHROMITE</b>	Jajpur District	Sukinda Ultramafic complex.	Occur as intrusive into Precambrian metamorphites as well differentiated layered igneous complexes	176.60 million tonnes of all categories with 40 to 45% Cr <sub>2</sub> O <sub>3</sub>	Chromium metal, Various alloys with iron, nickel, cobalt, tungsten etc. Chromium compounds Refractory industry
	Kendujhar District	Boula-Nuasahi Igneous complex.			
	Baleswar District	Bhalukasuni			
<b>MANGANESE</b>	Kendujhar District	Joda, Chormalda, Katasahi, Jurudi, Parelipado, Roida, Sidhamata, Dubna, Jaribahal (Palsa), Katasahi-Kolha-Rudkela, Gurda	Confined to Shale formation of Precambrian Iron Ore Super Group as stratiform, stratabound and lateritoid types	120.763 million tonnes	Iron and Steel Industry Ferromanganese industry Dry cell (battery) Chemical industry
	Sundargada District	Orahari, Patamunda, Malda, Mahulsukha, Nuagaon, Teheral, Sarkundo, Kusumdihi, Goua, Dendulo, Kanthor-Koira, Oraghat, Kolmong			
		Ghariajor-Manmunda area	Associated with Gangpur Group of rocks		
	Rayagada District	Nishikhal, Podakana, Khurigaon, Anajori, Liliguma, Ambadola, Rukunibari, Loharapara, Bhalumaska	Associated with Eastern Ghats Super Group of Rocks i.e. quartzites, Khondalites calc-gneiss and calc-granulites as tabular bodies.		
	Balangir District	Champasar, Bharatbahal, Rengali, Tamiya, Babja, Ucchabapali, Banipali, Biarpali, Gadashankar, Bhaludungri			
<b>COPPER</b>	Debagada District	Adash	Associated with Eastern Ghats Super Group of Rocks i.e. Khondalites and Charnockites .Pyroxene granulite is the main host rock.	3.09 million tonnes with cut-off grades of 0.8% Cu,	Electrical equipment, conductive wires, Auto ancillary, semis & alloys
	Mayurbhanj District	Kesarpur	Occur within sheared metabasics belonging to Proterozoic s of Eastern Singbhum		

<b>LEAD AND ZINC</b>	Sundargada District	Sargipalli – Galena, Chalcopyrite, Sphalerite, Cerussite, Azurite, Malachite, Covelite.	Confined to Garnetiferous biotite schist within Gangpurs	Sargipalli deposit – 1.89 million tonnes between 220 m & 60 m with 6.73% Pb, 0.33% Cu and 51 PPM of Ag at 3% cut off.	Storage battery industry, Paint industry, chemicals, alloys, cables, ammunition Galvanising industry, dry cell, chemicals
	Balangir District	Saintala area	Occur as fracture fillings in quartz veins		
	Baragada District	Kermeli area.			
	Kalahandi District	Sisakhal area.			
	Debagada District	Gangajal area.			
<b>MINERAL SAND</b>	Ganjam Coast	All along Ganjam coast from A.P.-Orissa border to Ganjam-Puri border. Important Sector are: Gopalpur Sector, Chhatrapur Sector and Prayagi Sector	Eastern Ghats Super Group of rocks on weathering release the heavy minerals ,which are carried into the sea by many rivers , tidal waves, littoral drift, wind action etc. have played their part in the concentration of heavy minerals.	85.514 million tonnes. 12% approximately.	(i)Ilmenite : Source of titanium, used for manufacture of titanium dioxide & ferro-titanium alloys (ii)Rutile: Source of titanium used for titanium dioxide pigment welding electrodes production of titanium sponge & metal (iii)Zircon: Foundaries, ceramics, refractories (iv)Sillimanite: Manufacture of high temperature refractories (v)Garnet: Used as abrasive (vi)Monazite: Production of Rare Earth Compounds – Thorium, Uranium Helium
	Puri Coast	On both side of Chilka lake Paikirapur-Bajrakot Sector and Brahmagiri Sector			
<b>NICKEL</b>	Sukinda valley (Jajpur District) Kansa sector	Saruabil, Sukrangi, Kamarda, Kaliapani, Bhimtangar mines and Kansa sector	Occur as nickeliferous laterite (as over-burden in chromite mines) overlying the serpentinised dunite-peridotite bed rock	Reserve In Sukinda valley (with cut off of 0.5% Ni)—174 million tonnes	Stainless steel, nickel plating, coil making, electronic industry
	Mayurbhanj District	Similipal complex			

<b>PLATINUM</b>	Kendujhar	Baula_Nuasahi complex, Amjori sill	Associated with Singhbhum-Orissa craton comprising high grade schist and gneiss intruded by layered mafics and ultramafics		Auto catalyst, Jewellery, dentistry, industrial application.
	Jajpur	Sukinda valley			
	Baleswar	Bhalukasuni			
	Dhenkanal	Bhuban, Asurba, Maulabhanj, Kathpal and Ostapal			
<b>TIN ORE (Cassiterite)</b>	Malkangiri District	Bijapadar, Vederupalli, Durmaguda, Mohapadar, Kurumpalli, Gurupada, Permanasu	Associated with metasedimentaries and metabasics of Bengpal Group intruded by pegmatites and quartz veins and also as secondary placers		Tin metal, packing material, tin plates, alloys with other metals, chemical use
<b>ASBESTOS</b>	Malkangiri District	MV – 76 Uruvalley Madatalguda Billiguda Maharajpalli MV-114 MV-96	Occur in the contact of granite gneiss and amphibolite	Not estimated	Used for asbestos cement products such as asbestos cement sheets, pipes, brake linings, insulation mill boards, asbestos paper, and fire proof paints, clothes etc.
<b>CHINA CLAY</b>	Mayurbhanj District	Joshipur, Chanchbani, Dumuria, Jamda, Kadodiha, Jamkeswar & Thakurmunda .Dhobadiha, Kalapathuria, Sorisbari, Jamkesar, Kalikapur, Ramchandrapur, Kathkaranjia, Nanua, Nijli, Mangalpur, Tikasil etc.	Occur in a long belt stretching from southern Singhbhum to Mayurbhanj extending upto Kendujhar in the Singhbhum Granite belt	278 mt.	Ceramic, pottery industry, cement industry, textile, paper, rubber, paint
	Kendujhar District	Unchheibera, Guras, Bholpara, Pradhanpara			
	Nawarangpur District	Devdhara, Sorispadar, Ambagan			
	Rayagada District	Kudingmali			
	Baragada District	Khola			
<b>COAL</b>	Anugul - Dhenkanal District	Talcher Coalfield	In the Barakar and Karaharbari formation of Lower Gondwana	65263.34 million tonnes non-coking coal.	Thermal power generation
	Sambalpur- Jharsuguda Dist.	Ib River Coalfield	Kamthi/Raniganj Formation		
	Other areas	Uneconomic coal occurrences are found in following basins- Athgarh basin, Gaisilat basin, Athmallick basin, Katrinjia Basin.			

<b>FIRE CLAY</b>	Anugul District	Confined to Talcher Coalfields Jagannath Colliery, South Balanda Colliery, Kaniha, Telisinga	In the Barakar and Karaharbari formation of Lower Gondwana	175.61million tonnes	Refractory bricks, Sanitary ware
	Kataka District	Talbasta, Brahmabasta, Ghantikhal.	Athgarh Formation of Upper Gondwana		
	Khurda District	Jagannath Prasad, Andharua, Bantal			
	Baragada District	Telipali, Buramunda, Gaisilat			
	Ib River Coalfield area	Belpahar, Jurabaga, Darlipali, Rampur, Kuropali, Baria pahar, Lukopoli, Khinda, Rail, Ainlapali, Kirwara, Belpur, Siarmal, Kulda, Ratansera, Lakhanpur, Bundia, Bholamal etc.			
<b>LIMESTONE</b>	Sundargada District	Biramitrapur-Raibaga, Hatibari-Purnapani, Gatitangar, Lanjiberna, Khatkurbahal, Kiringsera, Bimta, Khairtola	Associated with Biramitrapur Formation of Gangpur Group	1010.25 million tonnes	Cement Industry Iron and Steel Industry Glass industry Chemical industry Sugar industry Fertiliser industry
	Koraput District	Sunki, Dumajodi- Kundajodi, Parasagudi, Binsuli, Gupteswar	Associated with Eastern Ghats Super Group of rocks		
	Malkangiri District	Kottametta, Nandiveda, Uskalvagu	Limestone occur interbanded with shale, phyllite and quartzite of Vindyan Super Group		
	Nuapada District	Chandpala, Sagundunguri, Deobahal, Rohapadar, Gorramura.	Associated with Eastern Ghats Super Group of Rocks and in Khariar Highland Group of rocks		
	Balangir District	Dhamandanga, Kuliadaha, Hial	Associated with Eastern Ghats Super Group of Rocks		
	Baragada District	Dungri, Banjipalli,- Jampalli Putka-Saramsil	Associated with Proterozoic cover sediments		
<b>DOLOMITE</b>	Sundargada District	Biramitrapur-Raibaga, Gamardihi, Turmura, Lefripara, Dublabera, Sapai river section, Litibera	Associated with Biramitrapur Formation of Gangpur Group	332.46 million tonnes.	Refractory Industry (Blast Furnace Lining) Alloys industry Glass Industry Steel Industry
	Baragada District	Nuapara - Putka	Associated with Proterozoic cover sediments		

<b>GRAPHITE</b>	Anugul	Dandatopa, Akharkata, Adeswara Kamalpur, Girida	Occur within Eastern Ghat Mobile Belt represented by khondalite, quartzite, calc-silicate, granulite, charnockite, basic granulites and quartzofeldspathic gneisses cross cut by leptynites and pegmatites.	4.47 million tonnes	Crucible Industry, pencil, brick lining, battery, lubricants paint
	Baragada	Temrimal, Tentulikhunti, Hardatal, Ranjitpur, Dahigaon, Menaramunda			
	Balangir	Gerdi, Fulmati, Ganjaudar, Rengali, Sargipalli- Golomunda, Dhandamunda, Godgadbahal, Mahulpati, Banjipali, Dukukamal, Beherapani, Beheramunda, Sapmunda, Mohanilaha, Malisira, Sargibahal			
	Kalahandi	Sargipada, Gaidar, Singjharan, Lamer, Badibahal			
	Kandhamal	Madagurha (Tumudibandh), Bargaon, Dhursi, Mahabali			
	Nuapada	Kirkita, Dharamsagar, Gandabahali			
	Rayagada	Lakhajharan, Bandhamandi, Sanamaturu, Malimunda, Kumbhibhata, Gundrugaoon			
	Nayagada	Narajpada			
	<b>PYRO-PHYLLITE</b>	Kendujhar District			
Mayurbhanj District		Jashipur, Gorumahisani, Bangiriposi and Manada			

<b>DIMENSION STONE</b>	Anugul District	Gobinda Pana Sahi, Durgapur Panasahi	Eastern Ghats Super Group of rocks consisting of khondalites, leptynite, charnockite, pyroxene granulite, nephelene syenite etc. can be categorised as granites.	463.53 million cubic metres of all varieties.	As polished blocks & tiles for flooring kitchen Platforms, wall panels, table tops, in commercial complexes, domestic houses, monuments, temples , platforms, tomb stones, land scaping etc. Many coloured varieties are used for flower vases, name plates. pen stands, paper weights, statues & modern sculptures.
	Dhenkanal District	Mahapada, Hariapur, Radhadeipur			
	Gajapati District	Raghunathpur, Sanadola, Sanatundi, Baguda, Lubarsingi, Sundaraba, Sabarapalli, Kankargurha, Taraba, Ranala, Nuasahi, Ragaisingi, Bhramarpur, Tundari & Sauri, Marlaba, Barahapadar, Mahulpadar, Kuddada, Jhingiriguda, Puigurha, Hatimunda, Kharia, Burhamali, Guruduma, Laxmipuram, Venkatpuram, Salkijeypore, Addanguda, Appanayupeta, Antarba, Jamudiha, Poibandha, Khariguma, Bariabandha, Dengama, Kandha Adaba, Narayanpur, Khariaguda, Mandimera.			
	Ganjam District	Gudiapalli area, Dakhinpur, Lanja, Sukunda, Lathi, Bada Dumula, Kandasara, Dasipur, Mathura, Radhamohanpur, Gobinda nagar, Krushnanagar, Nuaparha, Baranga, Dutipur, Gopalpur, Sarahanaipalli, Manikyapur, Hinjlicut, Pathan Punji, Kirtipur, Sahaspur, Butasarsingi, Purusottampur, Khetapalli, Patapur, Gudiali, Mandalpur, Matisahi, Kohibiradi, Nuamundia, Bishnuchakra, Kanteipalli, , Olamba, Chakunda, Baragada, Badangi, Ekatapur, Matisahi etc.			
	Nawarangpur District	Cheptiamb, Karlapada, Samarcharan, Hatibari, Tohra			
	Nuapada District	Bhaira, Dalipathara, Damarkhol			
	Kataka District	Murdamekh, Paikregeda, Jagannath			



		Prasad, Saradapur Patna, Jogibahali, Kakuria, Pancham, Sukad, Sitarampur, Ghantapara, Bhejiapara, Basantpur, Ramachandrapur, Mulikata, Tagila, Rusigara, Kanpur			
<b>QUARTZ &amp; QUARTZITE</b>	Boudh, Baragada, Kandhamal, Kendujhar, Jharsuguda, Kalahandi, Mayurbhanj, Nuapada, Subarnapur, Nabrangpur, Rayagada & Koraput districts	Numerous occurrences of Boudh, Baragada, Kandhamal, Kendujhar, Jharsuguda, Kalahandi, Mayurbhanj, Nuapada, Subarnapur, Nabrangpur, Rayagada & Koraput districts	Quartz occurs in the form of veins and as a constituent of pegmatites. In Orissa, quartz and silica sand deposits are located in the Precambrian terrains Quartzite occurs as beds interstratified with other meta-sedimentaries	70.53 million tonnes	Ceramic, fertilizers, abrasives, electrical, paint, rubber, chemical and textile industries with different specifications. Transparent varieties of quartz such as rock crystals, amethyst, citrine, rose quartz and smoky quartz are used as semiprecious gem stones. Quartz is a piezoelectric material and is used in radio circuit, radars, ultrasonic devices, chronometers etc. Quartzites are used in refractory, iron and steel making, ferro-silicon, glass & ceramics etc.
<b>HIGH MAGNESIA ROCKS</b>	Jajpur District	Sukinda area	Dunite, peridotite, serpentinite, pyroxenites mostly associated with Iron Ore Super Group	Not esimated	Used as flux in blast furnace for steel making in place of dolomite
	Kendujhar District	Managovindpur. Boula Nuasahi area			
	Dhenkanal District	Bhuban –Asurbandh- Maulabhanj			
	Baleswar District	Bhalukasoni near Nilgiri			
	Sundargada	Rajabera, Jharbeda			
	Sambalpur District	Thelkobadi of Kuchinda Sub-division			

<b>GOLD</b>	Mayurbhanj District	Suriagoda, Jagaguda, Ghutudihi, Maredihi, Janudihi, Jhabukucha, Jharadihi, Amdiha, Joshipur, Surda Dhusurapahar (Suleipat)	Occur within boulder-pebbly-quartz conglomerate associated with metasediments and metabasites of Iron Ore super Group	Not definite	Ornament, metallurgical etc.
	Kendujhar District	Gopur, Salaikena, Dimirimunda, Rangadihi, Gajipur, Odal, Kushkala, Kardangi, Kalima, Koilisuta	Occur within quartz vein associated with Iron Ore Super Group of rocks		
	Sundargada District	Digajharan, Malidihi, Ghoger	On the bank of Ib river		
	Koraput District	Dasmantpur-Govindpalli, Kusumghati, Kyang, Kaliaguda	On the bank of Kolab river		
	Anugul District		In Tikira river		
<b>PRECIOUS AND SEMIPRECIOUS STONES</b>					
<b>AQUA-MARINE</b>	Sambalpur District	Charbati, Beldihi	Associated with Eastern Ghats Granulite Belt interbanded with mafic and ultramafic complexes, anorthosites, and alkaline complexes intruded by granites, pegmatites and quartz vein  Contact of beryl bearing pegmatite with ultramafic rocks	Not esimated	As semi-precious stone
	Balangir District	Saraibahal, Sukulimuri, Guchhepalli, Desand, Chhanchanabhata			
	Subarnapur District	Badmal, Mursundi, Bairagipalli, Amarpalli			

<b>CHRYSO-BERYL</b>	Sambalpur District	Meghpal (Ranchipada)	Occur within pegmatites in khondalite suit of rocks	Not esimated	As semi-precious stone
	Rayagada District	Paikadalguda, Karlaghati, Karanjguda			
	Koraput District	Turia			
	Kandhamal District	Belghar			
	Balangir District	Ghumsar	Associated with pegmatite intruding into quartzo-feldspathic gneiss		
	Kalahandi District	Sirjapalli, Tundla, Muribahal			
<b>GARNET</b>	Anugul District	Nuagaon, Parhang, Biribolei, Barkotia	Occur in high grade pelitic schist, amphibolites, calc granulite etc.	Not esimated	As semi-precious stone
	Dhenkanal District	Ghagarmunda, Katamunda, Asanabahal, Tipeijharan			
	Debagada District	Budido, Palsama, Jharposhi			
	Subarnapur	Siali, Naktamunda, Binika, Subarnapur			
	Boudh District	Boudh, Ramgarh, Kantamal, Manmunda			
	Kalahandi District	Banjipadar, Sargidua, Ghatpara			
	Nuapada District	Sardhapur, Patialpada, Damjhar, Patialpada, Budhapada, Mantritarai			
	Sambalpur District	Bagdhopa, Tabloi			
	Balangir District	Khaliapalli, Kesaipalli, Luhuramunda,			
<b>RUBY</b>	Kalahandi District	Jhillingdhar, Hinjlibahal, Kerumunda	Contact of pegmatite and ultramafic rocks associated with cordierite-sillimanite-garnet schists and para gneisses	Not esimated	As semi-precious stone
<b>SAPPHIRE</b>	Nuapada District	Katamal, Karlakot, Amera	High grade pelitic schist at the contact of alkali syenite and pegmatite	Not esimated	

<b>DIAMOND</b>	Nuapada District	Kalamidadar valley of Nuapada district Mahanadi river bed particularly from Binika in Subarnapur district to Madhapur in Boudh district.	Diamond occurrences are associated with olivine-lamproite pipes within Bastar cratonic complex or at the interface of Bastar cratonic complex and Proterozoic cover sediments around Kalamidadar of Nuapada district .  The secondary diamond occur in association with pebble and gravel of Mahanadi river particularly from Binika in Subarnapur district to Madhapur in Boudh district	Not esimated	Jewellery, oil drilling, grinding, cutting & polishing,
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*Source : DG, GSI, IBM*

## USE AND SPECIFICATION OF MINERAL/ ORE FOR DIFFERENT INDUSTRIES

Sl .	Mineral/ Ore	Use	Specification
1.	<b>Basemetal</b>		
	<b>a. Lead</b>	Storage battery industry, paint industry, chemicals, alloys, cables, ammuniton	Pb: 2%
	<b>b. Zinc</b>	Galvanising industry, dry cell, chemicals	Zn: 10.80%
	<b>c. Copper</b>	Electrical equipment, conductive wires, auto ancilliary, semis &alloys	Cu:1.0 to 1.8%
2.	<b>Bauxite</b>		
		Aluminium industry	Al <sub>2</sub> O <sub>3</sub> : +40%, SiO <sub>2</sub> : -4%
		Refractory industry	Al <sub>2</sub> O <sub>3</sub> : +58%
		Chemical industry	Al <sub>2</sub> O <sub>3</sub> : +58%, SiO <sub>2</sub> : -3%
		Petroleum industry	Al <sub>2</sub> O <sub>3</sub> : +40%, SiO <sub>2</sub> : -4%
3.	<b>China clay</b>	Ceramic, pottery industry, cement industry, textile, paper, rubber, paint	Fe <sub>2</sub> O <sub>3</sub> : 0.5 to 0.75%
4.	<b>Chromite</b>	Chromium metal, various alloys with iron, nickel, cobalt, tungsten etc.	Cr <sub>2</sub> O <sub>3</sub> : 44 to 48%
		Chromium compounds	Cr <sub>2</sub> O <sub>3</sub> : 44%
		Refractory industry	Cr <sub>2</sub> O <sub>3</sub> : 48% to 52%
5.	<b>Coal</b>	Thermal power generation	E, F and G grade coals depending on Useful Heat Value (UHV): 1300 to 4200 kcal/kg
6.	<b>Dimension Stone</b>	Pavement, flooring, wall cladding, statue, tombstone	Any stone with good hardness
7.	<b>Fireclay</b>	Refractory bricks, Sanitary ware	Al <sub>2</sub> O <sub>3</sub> : 30 to 40%, Fe <sub>2</sub> O <sub>3</sub> : -2%
8.	<b>Graphite</b>	Crucible Industry	FC: 80 to 89%
		Pencil	FC: 95 to 98%
		Brick lining	FC: 98%
		Battery	FC: 88to 98%
		Lubricants	FC: 98-99%
		Paint	FC: 50 to 55%
9.	<b>Iron ore</b>	Pig iron	Fe:+65%, Al <sub>2</sub> O <sub>3</sub> +SiO <sub>2</sub> : -4.5%, P: 0.3%
		Sponge iron	Fe: +62 to 67%, Al <sub>2</sub> O <sub>3</sub> +SiO <sub>2</sub> : 2.60 to 5.60%, P: 0.3 to 0.5%, S:0.1 to 0.3%
		Steel	Fe: 62.5 to 63.5%, Al <sub>2</sub> O <sub>3</sub> : 1.60 to 3.01% SiO <sub>2</sub> : 0.9 to 2.50%
		Blast Furnace	Fe: 64 to 65%, P: 0.5%, Lol: 2.5%
		Alloys	Fe: 65 to 66%
		Cement Industry	Fe: +62%

10.	<b>Limestone</b>	Cement Industry	CaO: 44 to 52%, MgO: -3.5%, TiO <sub>2</sub> : -0.5%, Mn <sub>2</sub> O <sub>3</sub> : -0.5%, Na <sub>2</sub> O+K <sub>2</sub> O: -0.6%, P <sub>2</sub> O <sub>5</sub> : -0.6%, Cl:-0.015%, Free silica:-8%
		Iron and Steel Industry	CaCO <sub>3</sub> : +90%, SiO <sub>2</sub> +Al <sub>2</sub> O <sub>3</sub> : 6 to 11.5%, MgO: -4%, S&P:Lowest possible
		Glass industry	CaO: 53%, MgO: 1.5%
		Chemical industry	CaO: 50 to 54%, MgO: 0.8 to 2%
		Sugar industry	CaO: +80%
		Fertiliser industry	CaO+MgO: -85%
		Foundry industry	CaO: 45 to 52%, MgO: 2 to 5%
11.	<b>Dolomite</b>	Refractory Industry (Blast Furnace Lining)	CaO: +29%, MgO: +19%
		Alloys industry	MgO: +19%, CaO: +28%
		Glass Industry	CaO: +53%, MgO: +15%
		Steel Industry	MgO: 19%, CaO: 29%
12.	<b>Manganese</b>	Iron and Steel Industry	Mn: 30%
		Ferromanganese industry	Mn: 38 to 48%
		Dry cell (battery)	MnO <sub>2</sub> : +60%
		Chemical industry	MnO <sub>2</sub> : 82%
13.	<b>Mineral sand</b>	Paint industry, welding electrodes, abrasives, refractory, production of rare earth elements, zirconium metals	-
14.	<b>Nickel</b>	Stainless steel, nickel plating, coil making, electronic industry	Ni: 0.5 to 0.9%
15.	<b>Pyrophyllite</b>	Refractory industry	Al <sub>2</sub> O <sub>3</sub> : 26 to 28%
		Stone ware/ china ware, sanitary ware/ porcelain	Al <sub>2</sub> O <sub>3</sub> : 26 to 28%, SiO <sub>2</sub> : 60 to 62%
16.	<b>Quartz/ quartzite</b>	Glass	SiO <sub>2</sub> : 99.5%
		Refractory	SiO <sub>2</sub> : 96 to 98%
		Ceramics	SiO <sub>2</sub> : 96 to 98%
		Electronics	
		Abrasives	SiO <sub>2</sub> : 99%
		Paint	
		Ferro-alloys	SiO <sub>2</sub> : +96%
		Foundry	SiO <sub>2</sub> : 88 to 99%
17.	<b>Tin ore</b>	Tin metal, packing material, tin plates, alloys with other metals, chemical use	Sn: 99.75 to 99.85%
18.	<b>Vanadium ore</b>	Alloys of iron and steel industry (Ferro-vanadium)	V <sub>2</sub> O <sub>5</sub> : 0.15% to 5%

PARTICULAR OF MINING LEASES OF MAJOR MINERALS OF ORISSA										
Sl. No.	District	Name of the Mineral	Name of the Lessees	Location of the Lease	Area (Hect.)	Date of Execution	Period of Lease	Date of Expiry	Status of Working	Forest Area (hect.)
1	Anugul	Coal	M/s M.C. Ltd.	Deulbera Colliery (U/G)	518.981	01.10.86	20 Yrs.	30.09.06	NW	78.220
2	Anugul	Coal	M/s M.C. Ltd.	Handidhua Colliery (U/G)	671.276	24.11.79	30 Yrs.	23.11.09	NW	117.640
3	Anugul	Coal	M/s M.C. Ltd.	South Balanda Colliery (OCP)	1045.330	Under CBA Act			NW	760.040
4	Anugul	Coal	M/s M.C. Ltd.	Talcher Colliery (U/G)	1140.000	01.10.86	20 Yrs.	30.09.06	<b>W</b>	294.407
5	Anugul	Coal	M/s M.C. Ltd.	Nandira Colliery (U/G)	690.000	Under CBA Act			<b>W</b>	325.380
6	Anugul	Coal	M/s M.C. Ltd.	Jagannath OCP	590.853	Under CBA Act			<b>W</b>	195.437
7	Anugul	Coal	M/s M.C. Ltd.	Bharatpur OCP	1237.180	Under CBA Act			<b>W</b>	181.480
8	Anugul	Coal	M/s M.C. Ltd.	Kalinga OCP (Balram)	1117.350	Under CBA Act			<b>W</b>	85.201
9	Anugul	Coal	M/s M.C. Ltd.	Anant OCP	242.810	Under CBA Act			<b>W</b>	195.237
10	Anugul	Coal	M/s M.C. Ltd.	Lingaraj OCP	1248.510	Under CBA Act			<b>W</b>	186.311
11	Anugul	Coal	M/s M.C. Ltd.	Chhendipada OCP	24.300	30.03.02	20 Yrs.	29.03.22	<b>W</b>	24.300
12	Anugul	Coal	M/s M.C. Ltd.	Hingula OCP	1063.560	Under CBA Act			<b>W</b>	0.000
13	Anugul	Coal	M/s M.C. Ltd.	Bhubaneswari OCP	688.430	Under CBA Act			<b>W</b>	
14	Anugul	Fireclay	Bhagaban Nayak	Bhairpur	10.109	04.03.08	20 Yrs.	03.03.28	<b>W</b>	0.000
15	Anugul	Fireclay	M/s Neelachal Refractories Ltd.	Telisinga	313.845	23.10.81	20 Yrs.	16.10.01	NW	0.000
16	Anugul	Quartz & Feldspar	D.B. Mohanty	Paranga	8.127	28.08.87	20 Yrs.	27.08.07	NW	0.000
17	Anugul	Quartzite	Aparti Charan Rout	Chandapur	4.653	08.04.07	20 Yrs.	07.04.27	<b>W</b>	0.000

Sl. No.	District	Name of the Mineral	Name of the Lessees	Location of the Lease	Area (Hect.)	Date of Execution	Period of Lease	Date of Expiry	Status of Working	Forest Area (hect.)
18	Anugul	Quartzite	Santosh Kumar Samal	Phulpara	10.744	15.01.07	20 Yr.	14.01.27	W	0.000
19	Anugul	Sand (Stowing)	M/s M.C. Ltd.	Kakudi	41.885	31.05.91	20 Yrs.	13.11.10	NW	0.000
20	Anugul	Sand (Stowing)	M/s M.C. Ltd.	Bilinda/Biksar	75.340	30.05.05	20 Yrs.	29.05.25	NW	0.000
21	Anugul	Sand (Stowing)	M/s M.C. Ltd.	Madapal	17.805	27.07.99	20 Yrs.	23.10.12	W	0.000
22	Anugul	Sand (Stowing)	P.C. Sahu	Santhapada	258.650	25.04.86	20 Yrs.	24.04.06	W	0.000
23	Baragada	Chinaclay & Fireclay	B. Pradhan	Khola	18.886	16.02.82	20 Yrs.	10.01.01	NW	0.777
24	Baragada	Chinaclay & Fireclay	P.K. Sahu	Khola	74.275	26.09.80	20 Yrs.	25.09.2000	W	41.527
25	Baragada	Graphite	B.C. Agrawal	Temrimal Block I	5.066	05.09.90	20 Yrs.	04.09.10	NW	0.000
26	Baragada	Graphite	B.C. Agrawal	Temrimal Block II	4.803	05.09.90	20 Yrs.	04.09.10	NW	0.000
27	Baragada	Graphite	Bijay Kumar Agrawal	Tentulikhunti	27.040	01.08.91	20 Yrs.	31.07.11	W	0.000
28	Baragada	Graphite	Gokul Chandra Sharma	Hardatal	27.102	07.12.07	20 Yrs.	06.12.27	W	0.000
29	Baragada	Graphite	Kamal Kumar Agrawal	Ranjitpur	67.279	24.10.82	20 Yrs.	23.10.02	NW	61.961
30	Baragada	Graphite	M/s T.P. Mineral Ind. (P) Ltd.	Dahigaon	14.941	22.12.78	20 Yrs.	21.12.98	W	0.000
31	Baragada	Graphite	Makhanlal Agrawal	Kenchodadar	20.234	28.09.82	20 Yrs.	27.09.02	NW	0.000
32	Baragada	Graphite	Pravash Ch. Agrawal	Temrimal	36.033	18.12.78	20 Yrs.	17.12.98	W	0.558
33	Baragada	Graphite	Pravash Ch. Agrawal	Menkamunda	45.252	11.10.79	20 Yrs.	10.10.99	W	10.910
34	Baragada	Graphite	Pravash Ch. Agrawal	Temrimal	11.149	11.10.79	20 Yrs.	10.10.99	W	0.000
35	Baragada	Graphite	Pravash Ch. Agrawal	Temrimal	14.654	18.12.78	20 Yrs.	17.12.98	W	0.000
36	Baragada	Graphite	Smt. L.P. Devi	Kenchodadar	12.077	11.02.87	20 Yrs.	10.02.07	W	0.000
37	Baragada	Limestone	J. Parmanik	Putka	97.031	25.09.94	20 Yrs.	24.09.14	W	0.000
38	Baragada	Limestone	M/s Baragada Cement Ltd.	Dunguri	502.215	28.08.85	20 Yrs.	27.08.05	W	73.309
39	Baragada	Limestone	M/s IDC of Orissa Ltd.	Behera-Banjipali	304.324	02.01.84	20 Yrs.	01.01.04	NW	100.197
40	Baragada	Quartz	A. K. Sahu	Litipali	15.310	06.03.89	20 Yrs.	05.03.09	W	0.000
41	Baragada	Graphite	Gokul Chandra Sharma	Haridatal	27.012	07.12.07	20 Y	06.12.27	W	0.000
42	Baragada	Quartz	Ajit Kumar Sahu	Litipali	15.31	06.03.89	20 Yrs.	05.03.09	W	0.000
43	Balangir	Galena	B.L. Pansari	Badipada	5.261	14.02.97	20 Yrs.	13.02.17	NW	0.000
44	Balangir	Gemstones	M/s S.G. (P) Ltd.	Kendumundi	12.076	18.06.01	20 Yrs.	17.06.21	NW	0.000



Sl. No.	District	Name of the Mineral	Name of the Lessees	Location of the Lease	Area (Hect.)	Date of Execution	Period of Lease	Date of Expiry	Status of Working	Forest Area (hect.)
45	Balangir	Graphite	A. Memon	Magurjungle	19.004	27.07.95	20 Yrs.	26.07.15	NW	0.000
46	Balangir	Graphite	A. Mishra	Gerdi	19.315	28.03.84	20 Yrs.	27.03.04	NW	0.000
47	Balangir	Graphite	A. Mishra	Fulmati	9.443	27.05.72	20 Yrs.	26.05.92	<b>W</b>	0.000
48	Balangir	Graphite	A. Mishra	Rarbahal	14.937	26.03.07	20Yrs	26.03.27	<b>W</b>	0.000
49	Balangir	Graphite	B.C. Agrawal	Ganjaudar	24.232	05.07.80	20 Yrs.	04.07.2000	NW	0.000
50	Balangir	Graphite	B.K. Agrawal	Rengali	26.903	24.01.99	20 Yrs.	23.01.19	NW	0.000
51	Balangir	Graphite	D. M. Patel	Gokharang	7.248	06.12.88	20 Yrs.	05.12.08	<b>W</b>	0.000
52	Balangir	Graphite	G.D. Singhanian	Dhandamunda	6.546	10.01.84	20 Yrs.	09.01.04	NW	0.000
53	Balangir	Graphite	G.D. Singhanian	Sargipali - Golamunda	20.934	20.12.83	20 Yrs.	19.12.03	NW	0.000
54	Balangir	Graphite	G.L. Agrawal	Godgadbahal	37.017	16.03.88	20 Yrs.	15.03.08	NW	0.623
55	Balangir	Graphite	G.L. Agrawal	Julenbera	34.494	11.09.97	20 Yrs.	10.09.17	NW	0.000
56	Balangir	Graphite	G.L. Agrawal	Dungriguda	2.513	24.05.01	20 Yrs.	23.05.21	NW	0.000
57	Balangir	Graphite	G.L. Agrawal	Landapathar	6.697	13.05.2000	20 Yrs.	12.05.20	NW	0.000
58	Balangir	Graphite	G.L. Agrawal	RajuNagphena	27.421	07.06.80	20 Yrs.	06.06.2000	<b>W</b>	27.421
59	Balangir	Graphite	H.K. Sahu	Mahulpati	24.795	28.01.91	20 Yrs.	27.01.11	NW	0.000
60	Balangir	Graphite	K.K. Agrawal	Banjipali	35.320	26.12.79	20 Yrs.	25.12.99	NW	0.000
61	Balangir	Graphite	L.N. Agrawal	Kandhenjhulla	12.140	13.01.84	20 Yrs.	12.01.04	NW	0.000
62	Balangir	Graphite	M/s D.G.I. (P) Ltd.	Tankapani	16.677	19.05.97	20 Yrs.	18.05.17	NW	0.000
63	Balangir	Graphite	M/s D.G.I. (P) Ltd.	Dudukamal	7.373	28.11.87	20 Yrs.	27.11.07	<b>W</b>	0.117
64	Balangir	Graphite	M/s D.G.I. (P) Ltd.	Ghusurmunda	26.195	05.07.99	20 Yrs.	04.07.19	<b>W</b>	0.000
65	Balangir	Graphite	M/s Rungta Sons (P) Ltd.	Baghuapara	6.054	17.10.92	20 Yrs.	16.10.12	<b>W</b>	0.000
66	Balangir	Graphite	M/s Rungta Sons (P) Ltd.	Bartia	8.284	27.02.87	20 Yrs.	26.02.07	<b>W</b>	0.000
67	Balangir	Graphite	M/s Saturn Enterprises	Tendapadar	3.946	10.12.90	20 Yrs.	09.12.10	NW	0.000
68	Balangir	Graphite	Md Jafrulla	Beherapani	6.446	13.07.89	20 Yrs.	12.07.09	<b>W</b>	0.000
69	Balangir	Graphite	N.L. Agrawal	Dudukamal	29.990	19.07.91	10 Yrs.	18.07.01	NW	0.000
70	Balangir	Graphite	N.L. Agrawal	Dudukamal	12.444	18.02.95	30 Yrs.	17.02.25	NW	0.000
71	Balangir	Graphite	N.L. Agrawal	Dudukamal	2.428	04.10.97	30 Yrs.	03.10.27	<b>W</b>	0.000

Sl. No.	District	Name of the Mineral	Name of the Lessees	Location of the Lease	Area (Hect.)	Date of Execution	Period of Lease	Date of Expiry	Status of Working	Forest Area (hect.)
72	Balangir	Graphite	N.L. Agrawal	Beniamal	13.353	14.09.79	20 Yrs.	13.09.99	<b>W</b>	0.000
73	Balangir	Graphite	N.L. Agrawal	Goindimal	63.771	11.05.98	30 Yrs.	10.05.18	<b>W</b>	0.000
74	Balangir	Graphite	N.L. Agrawal	Goindmal	41.504	19.05.97	20 Yrs.	18.05.17	<b>W</b>	0.000
75	Balangir	Graphite	N.L. Agrawal	Bhuslar	7.462	28.06.88	20 Yrs.	27.06.08	<b>W</b>	0.000
76	Balangir	Graphite	O.P. Agrawal	Dangamara & Buramal	26.227	11.10.96	20 Yrs.	10.10.16	NW	0.000
77	Balangir	Graphite	P.K. Agrawal	Bagdar Jamkhari	77.720	07.02.88	20 Yrs.	06.02.08	NW	0.000
78	Balangir	Graphite	P.K. Agrawal	Beheramunda	48.765	02.12.86	20 Yrs.	20.12.06	<b>W</b>	0.000
79	Balangir	Graphite	P.P. Vyas	Buromal	6.063	28.12.85	20 Yrs.	27.12.05	NW	0.328
80	Balangir	Graphite	P.P. Vyas	Mohanilaha	33.374	10.12.90	20 Yrs.	09.12.10	<b>W</b>	0.000
81	Balangir	Graphite	P.P. Vyas	Sapmunda	7.993	06.12.79	20 Yrs.	05.12.99	<b>W</b>	0.000
82	Balangir	Graphite	P.R. Jain	Jhinkidunguri	9.883	23.08.81	20 Yrs.	21.08.04	NW	0.000
83	Balangir	Graphite	P.R. Jain	Bichhubahali	18.320	12.05.86	20 Yrs.	11.05.06	NW	0.000
84	Balangir	Graphite	Phulchand Agrawal	Baguapada	9.054	07.08.82	20 Yrs.	06.08.02	NW	0.000
85	Balangir	Graphite	Phulchand Agrawal	Larki	15.128	25.10.89	20 Yrs.	24.10.99	<b>W</b>	0.000
86	Balangir	Graphite	Pravash Ch. Agrawal	Ganjaudar	48.772	05.11.76	20 Yrs.	04.11.96	NW	48.772
87	Balangir	Graphite	Pravash Ch. Agrawal	Mohanilaha	9.741	27.08.94	20 Yrs.	29.05.02	NW	0.000
88	Balangir	Graphite	Pravash Ch. Agrawal	Malisira	6.862	12.05.86	20 Yrs.	11.05.06	NW	0.000
89	Balangir	Graphite	Pravash Ch. Agrawal	Babejuri	5.625	07.02.88	20 Yrs.	06.02.08	NW	0.000
90	Balangir	Graphite	Pravash Ch. Agrawal	Dudukamal	12.141	19.07.91	10 Yrs.	18.07.01	<b>W</b>	0.000
91	Balangir	Graphite	Rajkumar Agrawal	Telenpali	16.377	31.05.85	20 Yrs.	30.05.05	NW	0.000
92	Balangir	Graphite	Rajkumar Agrawal	Kuanrgaon	16.395	26.03.88	20 Yrs.	26.03.08	NW	0.000
93	Balangir	Graphite	Ramesh Kumar Agrawal	Mohanilaha	4.496	16.03.96	20 Yrs.	15.03.15	NW	0.000
94	Balangir	Graphite	Ramesh Kumar Agrawal	Budhibahal	26.635	02.11.96	20 Yrs.	01.11.16	NW	0.000
95	Balangir	Graphite	Ramesh Kumar Agrawal	Beheramunda	64.242	20.01.90	20 Yrs.	19.01.10	NW	0.000
96	Balangir	Graphite	Ramesh Kumar Agrawal	Dhandamunda	28.328	05.07.97	20 Yrs.	04.07.17	NW	0.000

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97	Balangir	Graphite	Ramesh Kumar Agrawal	Dudkamal	3.237	16.06.01	20 Yrs.	15.06.21	NW	0.000
98	Balangir	Graphite	Ramesh Kumar Agrawal	Beherapani	26.170	02.11.96	20 Yrs.	01.11.16	<b>W</b>	0.000
99	Balangir	Graphite	Ramesh Kumar Agrawal	Banjipali	39.595	02.12.86	20 Yrs.	01.12.06	<b>W</b>	0.000
100	Balangir	Graphite	Ramesh Kumar Agrawal	Solebandh	24.651	01.12.95	20 Yrs.	30.11.15	<b>W</b>	0.000
101	Balangir	Graphite	T. Pradhan	Rengali	100.435	11.04.86	20 Yrs.	10.04.06	NW	16.466
102	Balangir	Graphite	T. Pradhan	Chuladar Chakmal	45.061	12.11.82	20 Yrs.	11.11.02	NW	5.969
103	Balangir	Graphite	T.R. Mediretta	Darhamunda	27.073	17.09.68	20 Yrs.	16.09.88	NW	0.000
104	Balangir	Graphite	T.R. Mediretta	Sargibahal (Bendar RF)	102.866	01.01.84	20 Yrs.	31.12.03	NW	
105	Balangir	Limestone	M/s Neelachal Cement Ltd.	Dhamandanga	27.652	21.11.96	20 Yrs.	20.11.16	NW	0.000
106	Balangir	Manganese Ore	Rajkumar Agrawal	Champasar & Bharatbahal	7.272	04.10.97	20 Yrs.	03.10.17	<b>W</b>	0.000
107	Balangir	Quartz	M/s I.M.&C. Ltd.	Buromal- Jaliabahal	55.584	30.09.92	20 Yrs.	29.09.12	NW	0.000
108	Balangir	Quartz	M/s IMFA Ltd.	Nuapara I	33.704	24.11.72	20 Yrs.	23.11.92	NW	33.704
109	Balangir	Quartz	M/s IMFA Ltd.	Bankiamunda	88.415	26.08.85	20 Yrs.	25.08.05	<b>W</b>	0.000
110	Balangir	Quartz	M/s IMFA Ltd.	Mania	16.250	08.02.89	20 Yrs.	07.02.09	<b>W</b>	0.000
111	Balangir	Quartz	P.R. Jain	Rajamara	4.856	26.09.81	20 Yrs.	25.09.01	<b>W</b>	0.000
112	Balangir	Quartz	P.R. Jain	Jhalap	6.248	26.09.81	20 Yrs.	29.05.12	<b>W</b>	0.000
113	Boudh	Quartz	M/s I.M.&C. Ltd.	Sekamal	26.037	13.05.87	20 Yrs.	12.05.07	NW	12.235
114	Boudh	Quartz	M/s I.M.&C. Ltd.	Kalасulia	21.190	10.09.92	20 Yrs.	09.09.12	NW	0.000
115	Boudh	Quartz	M/s I.M.&C. Ltd.	Gopalpur	3.286	13.05.87	20 Yrs.	12.05.07	NW	3.286
116	Boudh	Quartz	Smt. S. Mallik	Sariapali	7.960	10.04.90	20 Yrs.	09.04.10	NW	0.000
117	Kataka	Fireclay	B.C. Sahu	Talbasta	154.125	26.03.64	20 Yrs.	25.03.84	<b>W</b>	83.297
118	Kataka	Fireclay	B.C. Sahu	Sunakhani	437.580	12.04.74	20 Yrs.	11.04.94	<b>W</b>	429.487
119	Kataka	Fireclay	Bhagaban Nayak	Baudpur	45.074	03.04.85	20 Yrs.	02.04.05	NW	0.000

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120	Kataka	Fireclay	K.C. Pradhan	Talbasta	41.975	03.03.2000	20 Yrs.	02.03.20	NW	41.975
121	Kataka	Fireclay	M/s J.K. & K.P. Jhunjunwala	Talbasta	35.354	10.04.85	20 Yrs.	09.04.05	NW	21.744
122	Kataka	Fireclay	M/s Konark Minerals (P) Ltd.	Talbasta	290.360	07.01.85	20 Yrs.	06.01.05	NW	290.360
123	Kataka	Fireclay	M/s Manishree Refractories & Ceramics (P) Ltd.	Talbasta	290.360	30.11.84	20 Yrs.	04.12.2000	NW	290.360
124	Kataka	Fireclay	M/s Neelachal Refractories Ltd.	Talbasta	91.286	12.08.80	20 Yrs.	11.08.2000	NW	91.286
125	Kataka	Fireclay	M/s Tata Refractories Ltd.	Talbasta	171.120	01.09.75	20 Yrs.	31.08.95	<b>W</b>	168.337
126	Kataka	Fireclay	P.K. Upadhya	Pathapur	23.925	23.04.87	20 Yrs.	22.04.07	<b>W</b>	0.000
127	Kataka	Fireclay	Radhanath Mohapatra	Gayalbank	21.331	09.10.02	20 Yrs.	08.10.22	<b>W</b>	0.000
128	Dhenkanal	Chromite	M/s FACOR Ltd.	Kathpal	113.312	07.10.72	20 Yrs.	06.10.92	<b>W</b>	113.312
129	Dhenkanal	Chromite	M/s O.M.C. Ltd.	Kathpal	264.466	10.02.69	20 Yrs.	09.02.89	NW	176.690
130	Dhenkanal	Chromite	M/s O.M.C. Ltd.	Birasal	583.021	04.11.76	20 Yrs.	03.11.96	NW	504.308
131	Ganjam	Mineral Sand (Dune Sands)	M/s I.R.E. Ltd	Matikhal	2464.054	21.03.99	20 Yrs.	20.03.19	<b>W</b>	0.000
132	Ganjam	Soapstone , Steatite & Talc	U.C. Pradhan	Satrusila-Golia	3.640	28.01.91	20Yrs	27.01.11	NW	0.000
133	Jajpur	Chromite	M/s B.C. Mohanty & Sons (P) Ltd.	Kamarda	107.240	22.02.68	20 Yrs.	21.02.88	<b>W</b>	101.850
134	Jajpur	Chromite	M/s Baleswar Alloys Ltd.	Kaliapani	64.463	17.7.2000	30 Yrs.	16.07.30	<b>W</b>	0.000
135	Jajpur	Chromite	M/s FACOR Ltd.	Ostapal	72.843	13.08.85	20 Yrs.	12.08.05	<b>W</b>	68.424
136	Jajpur	Chromite	M/s FACOR Ltd.	Kalarangiatta	23.8	18.04.08	30 Yrs.	17.04.38	<b>W</b>	0.000
137	Jajpur	Chromite	M/s ICCL.	Sukinda	73.777	20.09.05	30 Yrs.	19.09.35	<b>W</b>	0.000
138	Jajpur	Chromite	M/s IDC of Orissa Ltd.	Tailangi	65.683	16.09.03	20 Yrs.	15.09.23	<b>W</b>	20.882
139	Jajpur	Chromite	M/s IMFA Ltd.	Chingudipal	26.620	25.02.86	20 Yrs.	24.02.06	NW	26.620

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140	Jajpur	Chromite	M/s IMFA Ltd.	Kaliapani	116.760	04.09.99	30 Yrs.	03.09.29	W	0.000
141	Jajpur	Chromite	M/s Jindal Stainless Ltd.	Kaliapani	89.000	04.01.02	20 Yrs.	03.01.22	W	24.240
142	Jajpur	Chromite	M/s M.L. Mines (P) Ltd.	Saruabil	246.858	26.07.97	20 Yrs.	14.05.14	W	224.630
143	Jajpur	Chromite	M/s O.M.C. Ltd.	Kalarangi	936.220	09.12.66	20 Yrs.	08.12.86	NW	700.120
144	Jajpur	Chromite	M/s O.M.C. Ltd.	Kamarda Balipadia	23.243	29.01.81	15 Yrs.	28.01.96	NW	17.881
145	Jajpur	Chromite	M/s O.M.C. Ltd.	Balipadia (Mahagiri)	185.810	09.09.70	20 Yrs.	08.09.90	NW	185.810
146	Jajpur	Chromite	M/s O.M.C. Ltd.	South Kaliapani	552.457	22.01.80	20 Yrs.	21.01.2000	W	416.499
147	Jajpur	Chromite	M/s O.M.C. Ltd.	Kaliapani	971.245	08.07.67	20 Yrs.	07.07.87	W	749.995
148	Jajpur	Chromite	M/s O.M.C. Ltd.	Sukramgi	382.709	20.09.80	20 Yrs.	19.09.2000	W	177.760
149	Jajpur	Chromite & Pyroxenite	M/s TATA Steel Ltd.	Sukinda	406.000	18.05.98	20 Yrs.	11.01.13	W	73.698
150	Jajpur	Iron Ore	M/s O.M.C. Ltd.	Daitari	190.200	27.01.66	30 Yrs.	26.01.96	W	190.200
151	Jajpur	Quartzite	A.C. Mohanto	Gopapur	7.225	04.03.02	20 Yrs.	03.03.22	NW	0.000
152	Jajpur	Quartzite	D.B. Nayak	Salijanga	18.656	06.06.81	20 Yrs.	05.06.01	NW	0.000
153	Jajpur	Quartzite	P.N. Sahu	Salijanga	3.838	06.06.81	20 Yrs.	05.06.01	NW	3.838
154	Jajpur	Quartzite	Smt. Saraswati Sisu	Sukurana	2.306	17.08.01	20 Yrs.	06.08.18	W	2.306
155	Jharsuguda	Coal	M/s M.C. Ltd.	Ib-River Colliery	82.273	01.05.73	30 Yrs.	30.04.03	W	6.643
156	Jharsuguda	Coal	M/s M.C. Ltd.	Ib-Property Colliery	270.409	01.05.73	30 Yrs.	30.04.03	W	75.570
157	Jharsuguda	Coal	M/s M.C. Ltd.	Orient Colliery (U/G)	487.364	01.05.73	30 Yrs.	30.04.03	W	373.300
158	Jharsuguda	Coal	M/s M.C. Ltd.	Orient-III Colliery (U/G)	601.521	Under CBA Act			W	255.030
159	Jharsuguda	Coal	M/s M.C. Ltd.	Ib-Block 5th Colliery	254.547	Under CBA Act			W	45.950
160	Jharsuguda	Coal	M/s M.C. Ltd.	Gandghora Colliery	121.729	01.05.73	30 Yrs.	30.04.03	W	62.940
161	Jharsuguda	Coal	M/s M.C. Ltd.	New-Gandghore Colliery	161.103	01.05.73	30 Yrs.	30.04.03	W	89.202
162	Jharsuguda	Coal	M/s M.C. Ltd.	N-W Block Gandghora Colliery	397.733	Under CBA Act	30 Yrs.		W	335.409
163	Jharsuguda	Coal	M/s M.C. Ltd.	Rampur Colliery (U/G)	1095.698	01.05.73	30 Yrs.	30.04.03	W	370.979

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164	Jharsuguda	Coal	M/s M.C. Ltd.	Belpahar OCP	2123.792	Under CBA Act			<b>W</b>	394.220
165	Jharsuguda	Coal	M/s M.C. Ltd.	Lajkura OCP	270.407	Under CBA Act			<b>W</b>	193.541
166	Jharsuguda	Coal	M/s M.C. Ltd.	Lilari OCP	224.300	Under CBA Act			<b>W</b>	162.200
167	Jharsuguda	Coal	M/s M.C. Ltd.	Samaleswari OCP	1095.687	Under CBA Act			<b>W</b>	525.779
168	Jharsuguda	Coal	M/s M.C. Ltd.	Lakhanpur OCP	470.000	Under CBA Act			<b>W</b>	233.430
169	Jharsuguda	Fireclay	M/s J.K.& K.P. Jhunjhunwala	Bholamal & Kudaloi	50.500	27.11.84	20 Yrs.	26.11.04	<b>W</b>	1.500
170	Jharsuguda	Fireclay	P.D. Agrawal	Ganga	21.516	04.02.82	20 Yrs.	03.02.02	<b>W</b>	0.000
171	Jharsuguda	Quartz	Swarmal Agrawal	Bhatloda	83.656	07.12.82	20 Yrs.	06.12.02	<b>W</b>	0.000
172	Jharsuguda	Quartzite	B.C. Sahu	Kanjijharan	191.096	29.03.75	20 Yrs.	28.03.95	NW	191.096
173	Jharsuguda	Quartzite	M/s O.C.L. India Ltd.	Bhikampali	4.897	18.01.01	30 Yrs.	26.02.31	<b>W</b>	0.000
174	Jharsuguda	Quartzite	M/s Tata Refractories Ltd.	Chuinpali	102.123	22.5.2000	20 Yrs.	21.05.20	<b>W</b>	83.610
175	Jharsuguda	Red Ochre/Redoxide	D.P.D. Sukunia	Patrapali-Malda	102.275	29.02.88	20 Yrs.	28.02.08	NW	3.165
176	Jharsuguda	Sand (Stowing)	M/s M.C. Ltd.	Hansamura- Kantapali	109.205	14.10.91	20 Yrs.	13.10.11	NW	0.000
177	Kalahandi	Gemstones	Debraj Meheer	Bondoguda	1.700	04.10.2000	20 Yrs.	03.10.20	NW	0.000
178	Kalahandi	Gemstones	Debraj Meheer	Dedar	1.390	07.06.03	20 Yrs.	05.06.23	<b>W</b>	0.000
179	Kalahandi	Gemstones	Debraj Meheer	Labanyaswar	2.205	25.02.02	20 Yrs.	24.10.22	<b>W</b>	0.000
180	Kalahandi	Gemstones	M/s G.S. Agrawal	Dedar	9.500	14.07.01	20 Yrs.	13.07.21	<b>W</b>	0.000
181	Kalahandi	Gemstones	M/s Gem & Minerals	Dedar	1.000	25.10.05	20 Yrs.	24.10.25	NW	0.000
182	Kalahandi	Gemstones	M/s Gem & Minerals	Labanyasar	15.499	25.10.05	20 Yrs.	24.10.25	NW	0.000
183	Kalahandi	Gemstones	M/s Manikeswari Gems (P) Ltd.	Bondoguda	2.023	14.08.01	20 Yrs.	13.08.21	NW	0.000
184	Kalahandi	Gemstones	M/s Manikeswari Gems (P) Ltd.	Kutingapadar	14.394	12.01.05	20 Yrs.	11.01.25	<b>W</b>	0.000

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185	Kalahandi	Gemstones	M/s Navayug Minerals Ltd.	Bondoguda	10.351	29.08.2000	20 Yrs.	28.08.20	NW	0.000
186	Kalahandi	Gemstones	M/s Navayug Minerals Ltd.	Labanyaswar	21.702	26.02.05	20 Yrs.	25.02.25	NW	4.342
187	Kalahandi	Gemstones	M/s O.M.C. Ltd.	Hinjilibahal	57.465	14.06.93	10 Yrs.	13.06.03	NW	0.000
188	Kalahandi	Gemstones	M/s O.M.C. Ltd.	Malipada (Jillingidhar)	27.655	07.09.02	20 Yrs.	06.09.22	NW	0.000
189	Kalahandi	Gemstones	M/s O.M.C. Ltd.	Jillingidhar	35.686	01.10.92	10 Yrs.	30.09.02	NW	0.000
190	Kalahandi	Graphite	K.K. Mediretta	Belangbundel	5.848	29.07.89	20 Yrs.	26.07.09	<b>W</b>	0.000
191	Kalahandi	Graphite	M/s N.K. Minerals	Gambhariguda	1.845	13.05.90	20 Yrs.	12.05.10	<b>W</b>	0.000
192	Kalahandi	Graphite	M/s N.K. Minerals	Bahadurpita	4.172	16.08.89	20 Yrs.	15.08.09	<b>W</b>	0.000
193	Kalahandi	Graphite	P.C. Agrawal	Gokhra	8.988	02.05.75	20 Yrs.		<b>W</b>	0.000
194	Kalahandi	Graphite	P.K. Panda	Dhamankata	0.838	28.09.91	20 Yrs.	27.09.11	NW	0.000
195	Kalahandi	Graphite	Ramesh Mediretta	Sargipada	14.386	08.10.85	20 Yrs.		W	0.000
196	Kalahandi	Graphite	S.K. Mund	Gaidar	50.560	17.09.88	20 Yrs.	16.09.08	NW	0.000
197	Kalahandi	Graphite	S.K. Mund	Singjharan	2.931	28.09.91	20 Yrs.	28.09.11	<b>W</b>	0.000
198	Kalahandi	Graphite	S.K. Mund	Lamer	20.882	11.12.88	20 Yrs.	10.12.08	<b>W</b>	0.000
199	Kalahandi	Graphite	Smt. P.M. Devi	Manjhar	78.371	29.09.84	20 Yrs.	28.09.04	NW	27.130
200	Kalahandi	Graphite	Smt. S. Sharma	Badibahal	24.915	30.12.2000	20 Yrs.	29.12.20	<b>W</b>	0.000
201	Kalahandi	Quartz	A. Prasad Rao	Tentulipada	16.480	10.11.86	20 Yrs.	09.11.06	NW	0.000
202	Kalahandi	Quartz	B. Singh	Gotamunda	3.055	31.01.87	20 Yrs.	30.01.07	NW	0.000
203	Kalahandi	Quartz	B.R. Dujari	Balarampur	3.415	10.11.86	20 Yrs.	09.11.06	<b>W</b>	0.000
204	Kalahandi	Quartz	K.C. Agrawal	Kandabutra/Amjore Block - A	8.814	14.12.96	20 Yrs.	13.12.16	<b>W</b>	0.000
205	Kalahandi	Quartz	K.C. Agrawal	Rengalpali Block - B	5.671	14.12.96	20 Yrs.	13.12.16	<b>W</b>	0.000
206	Kalahandi	Quartz	K.C. Agrawal	Kandabutra-Kashibahal Block - C	2.420	14.12.96	20 Yrs.	13.12.16	<b>W</b>	0.000
207	Kalahandi	Quartz	K.K. Bhoi	Balipiti 'A'	2.047	22.12.80	20 Yrs.	21.12.2000	NW	0.000
208	Kalahandi	Quartz	K.K. Bhoi	Thapen	0.554	31.03.81	20 Yrs.	30.03.01	<b>W</b>	0.000
209	Kalahandi	Quartz	K.R. Patnaik	Khairamal	6.973	21.10.88	20 Yrs.	20.10.08	NW	0.000

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210	Kalahandi	Quartz	K.R. Patnaik	Karatikili	32.559	29.12.86	20 Yrs.	28.12.06	NW	11.711
211	Kalahandi	Quartz	K.R. Patnaik	Kamegaon	16.014	21.10.88	20 Yrs.	20.10.08	NW	0.000
212	Kalahandi	Quartz	K.R. Patnaik	Palsijharan	14.936	18.11.85	20 Yrs.	17.11.05	<b>W</b>	0.000
213	Kalahandi	Quartz	M.S. Gill	Tentulikhunti	3.581	05.12.87	20 Yrs.	04.12.07	<b>W</b>	0.000
214	Kalahandi	Quartz	M.S. Gill	Kasibahal	12.545	05.12.87	20 Yrs.	04.12.07	<b>W</b>	0.000
215	Kalahandi	Quartz	M.S. Gill	Luhabahal	5.994	26.12.85	20 Yrs.	25.12.05	<b>W</b>	0.000
216	Kalahandi	Quartz	M/s I.M.&C. Ltd.	Kadalibahal	5.937	07.08.87	20 Yrs.	06.08.07	NW	0.465
217	Kalahandi	Quartz	M/s I.M.&C. Ltd.	Dulkibandha	15.386	05.08.89	20 Yrs.	04.08.09	NW	0.000
218	Kalahandi	Quartz	M/s IMFA Ltd.	Adhamunda	9.134	14.09.88	20 Yrs.	13.09.08	<b>W</b>	0.000
219	Kalahandi	Quartz	M/s Manikeswari Minerals	Pratappur	4.047	15.07.86	20 Yrs.	14.07.06	NW	0.000
220	Kalahandi	Quartz	M/s Manikeswari Minerals	Naikenguma	5.942	20.09.87	20 Yrs.	19.09.07	NW	0.000
221	Kalahandi	Quartz	M/s Manikeswari Minerals	Rengalipali	3.710	15.07.86	20 Yrs.	14.07.06	NW	0.000
222	Kalahandi	Quartz	M/s Padma Impex	Rajanguda	1.809	13.07.87	20 Yrs.	12.07.07	<b>W</b>	0.000
223	Kalahandi	Quartz	M/s Pravati Impex	Bhejiguda	22.048	08.01.02	20 Yrs.	07.01.22	<b>W</b>	0.000
224	Kalahandi	Quartz	M/s Pravati Impex	Karlaguda	27.242	28.01.02	20 Yrs.	27.01.22	<b>W</b>	0.000
225	Kalahandi	Quartz	M/s Sajla Enterprise	Kurmachuan	1.141	30.10.87	20 Yrs.	29.10.07	<b>W</b>	0.000
226	Kalahandi	Quartz	M/s Sridhar Minerals	Debjharan	2.540	02.01.82	20 Yrs.	01.01.02	NW	2.335
227	Kalahandi	Quartz	M/s Sridhar Minerals	Patharla	3.864	09.03.81	20 Yrs.	08.03.01	<b>W</b>	0.000
228	Kalahandi	Quartz	M/s Sridhar Minerals	Bhikajharan	5.147	14.06.82	20 Yrs.	13.06.02	<b>W</b>	0.000
229	Kalahandi	Quartz	M/s Sridhar Minerals	Santemri	3.148	03.03.04	20 Yrs.	02.03.24	<b>W</b>	0.000
230	Kalahandi	Quartz	P.K. Panda	Kandabutra	4.010	07.07.85	20 Yrs.	06.07.05	NW	1.623
231	Kalahandi	Quartz	P.K. Panda	Mundraguda	3.280	05.01.82	20 Yrs.	04.01.02	NW	0.000
232	Kalahandi	Quartz	P.K. Panda	Amjore-Rengalpali	45.209	02.05.84	20 Yrs.	01.05.04	<b>W</b>	17.469
233	Kalahandi	Quartz	P.K. Panda	Amjore- Naikenguma	17.300	28.12.78	20 Yrs.	27.12.98	<b>W</b>	0.202
234	Kalahandi	Quartz	P.K. Panda	Amjore	7.757	18.04.85	20 Yrs.	17.04.05	<b>W</b>	0.000
235	Kalahandi	Quartz	P.K. Panda	Naikenguma	1.405	05.01.82	20 Yrs.	17.04.02	<b>W</b>	0.000



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236	Kalahandi	Quartz	P.K. Panda	Deundi	1.405	18.04.85	20 Yrs.	17.04.05	W	0.000
237	Kalahandi	Quartz	P.K. Singh	Dudukathenga	1.295	19.07.86	20 Yrs.	18.07.06	NW	0.000
238	Kalahandi	Quartz	P.K. Singh	Dahagaon	0.875	12.07.86	20 Yrs.	11.07.06	NW	0.000
239	Kalahandi	Quartz	P.K. Singh	Dahagaon	0.979	19.07.86	20 Yrs.	16.07.06	NW	0.000
240	Kalahandi	Quartz	S.K. Mohanty	Gunugunia	6.932	22.01.86	20 Yrs.	21.01.06	NW	0.000
241	Kalahandi	Quartz	S.K. Mohanty	Bhursiguda	36.170	02.01.86	20 Yrs.	21.01.06	W	0.000
242	Kalahandi	Quartz	S.K. Mund	Beherakuni	3.318	12.03.88	20 Yrs.	11.03.08	NW	0.000
243	Kalahandi	Quartz	S.K. Mund	Rajanguda	5.483	17.09.88	20 Yrs.	16.90.08	NW	0.000
244	Kalahandi	Quartz	Sitaram Sharma	Dudukathenga	13.436	30.05.96	20 Yrs.	29.05.16	NW	0.000
245	Kandhamal	Graphite	M/s T.P. Mineral Ind. (P) Ltd.	Madaguda R.F.	12.751	10.08.83	20 Yrs.	09.08.03	NW	12.751
246	Kandhamal	Graphite	Ramesh Mediretta	Bargaon	26.089	04.04.86	20 Yrs.	03.04.06	W	12.009
247	Kendujhar	Asbestos & Pyroxenite	B.L. Newatia	Gopalpur	49.220	26.06.85	20 Yrs.	25.06.05	NW	29.404
248	Kendujhar	Chromite	M/s ICCL.	Bangur	36.612	03.05.95	20 Yrs.	02.05.15	W	0.000
249	Kendujhar	Chromite	M/s IMFA Ltd.	Nuasahi(Old)	40.468	01.12.94	20 Yrs.	30.11.14	W	0.339
250	Kendujhar	Chromite	M/s O.M.C. Ltd.	Baniapanka	1582.833	15.01.86	20 Yrs.	14.01.06	NW	1417.611
251	Kendujhar	Chromite	M/s O.M.C. Ltd.	Boula	207.360	07.08.65	30 Yrs.	06.08.85	NW	207.360
252	Kendujhar	Chromite	M/s O.M.C. Ltd.	Bangur	145.850	02.09.75	30 Yrs.	01.09.95	W	5.910
253	Kendujhar	Chromite, Magnesite & Serpentinite	M/s FACOR Ltd.	Boula	187.030	25.01.94	20 Yrs.	24.01.14	W	187.030
254	Kendujhar	Iron & Manganese Ore	B.C. Deb	Inganijharan	114.930	17.02.59	20 Yrs.	19.11.73	W	54.967
255	Kendujhar	Iron & Manganese Ore	B.K. Mohanty	Uliburu	62.726	31.01.76	20 Yrs.	30.01.96	NW	60.726
256	Kendujhar	Iron & Manganese Ore	B.K. Mohanty	Uliburu	56.940	13.12.83	20 Yrs.	12.12.03	W	4.957
257	Kendujhar	Iron & Manganese Ore	D.C. Jain	Dalpahar Block A	89.961	09.06.86	20 Yrs.	08.06.06	NW	89.961
258	Kendujhar	Iron & Manganese Ore	D.C. Jain	Dalpahar Block B2	7.689	09.06.86	20 Yrs.	08.06.06	NW	7.689

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259	Kendujhar	Iron & Manganese Ore	D.R. Patnaik	Thakurani	121.385	07.08.78	30 Yrs.	06.08.08	W	121.385
260	Kendujhar	Iron & Manganese Ore	Dr. S. Pradhan	Ingani jharan	18.700	01.02.64	20 Yrs.	31.01.84	NW	18.700
261	Kendujhar	Iron & Manganese Ore	K.C. Pradhan	Paredipada	12.601	12.06.90	20 Yrs.	11.06.10	W	2.035
262	Kendujhar	Iron & Manganese Ore	K.C. Pradhan	Horromotto	59.186	21.01.84	20 Yrs.	20.01.04	W	0.000
263	Kendujhar	Iron & Manganese Ore	K.J.S. Ahluwalia	Panduliposi	40.470	20.12.86	20 Yrs.	19.12.06	W	21.797
264	Kendujhar	Iron & Manganese Ore	M/s Arjun Ladha	Balagunda	326.500	05.11.66	30 Yrs.	04.11.96	W	322.118
265	Kendujhar	Iron & Manganese Ore	M/s Bhanja Mineral(P) Ltd	Ingani jharan	246.313	31.12.80	20 Yrs.	26.02.93	W	189.854
266	Kendujhar	Iron & Manganese Ore	M/s BPMEL	Thakurani	778.762	01.10.84	20 Yrs.	30.09.04	W	468.308
267	Kendujhar	Iron & Manganese Ore	M/s H.G.Pandya & Others	Jajang	100.173	02.06.93	20 Yrs.	01.06.13	W	63.216
268	Kendujhar	Iron & Manganese Ore	M/s Kushaleswar Minerals	Kalaparbat	9.814	09.04.81	30 Yrs.	08.04.11	W	9.814
269	Kendujhar	Iron & Manganese Ore	M/s M.L. Rungta	Siljora-Kalimati	715.639	02.08.99	20 Yrs.	31.12.15	W	146.746
270	Kendujhar	Iron & Manganese Ore	M/s Mala Roy & Others	Jalhuri	182.109	16.05.93	20 Yrs.	15.05.13	W	123.328
271	Kendujhar	Iron & Manganese Ore	M/s O.M.C. Ltd.	Dalki	265.290	19.01.88	20 Yrs.	06.08.96	NW	246.523
272	Kendujhar	Iron & Manganese Ore	M/s O.M.C. Ltd.	Tiringpahar	79.300	24.08.64	30 Yrs.	23.08.94	NW	79.300
273	Kendujhar	Iron & Manganese Ore	M/s O.M.C. Ltd.	Roida - C	96.775	30.12.85	20 Yrs.	07.02.97	W	192.810

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274	Kendujhar	Iron & Manganese Ore	M/s O.M.C. Ltd.	Seremda-Bhadrasahi	1734.570	30.08.86	20 Yrs.	29.08.06	W	1086.750
275	Kendujhar	Iron & Manganese Ore	M/s O.M.D.Co.	Belkundi	1276.790	16.08.86	20 Yrs.	15.08.06	W	448.278
276	Kendujhar	Iron & Manganese Ore	M/s O.M.D.Co.	Bhadrasahi	998.700	01.10.90	20 Yrs.	30.09.10	W	877.310
277	Kendujhar	Iron & Manganese Ore	M/s Rungta Mines Ltd.	Jajang	666.150	24.11.05	20 Yrs.	23.11.19	W	71.165
278	Kendujhar	Iron & Manganese Ore	M/s SAIL	Bolani	1586.360	14.11.62	20 Yrs.	13.11.82	NW	506.220
279	Kendujhar	Iron & Manganese Ore	M/s Tarini Minerals (P) Ltd.	Jarudi	66.368	06.02.90	20 Yrs.	05.02.10	W	66.368
280	Kendujhar	Iron & Manganese Ore	M/s TATA Steel Ltd.	Khandbandh	978.000	27.01.84	20 Yrs.	26.01.03	W	836.757
281	Kendujhar	Iron & Manganese Ore	M/s TATA Steel Ltd.	Katamati	403.324	27.10.84	20 Yrs.	12.01.03	W	199.172
282	Kendujhar	Iron & Manganese Ore	M/s TATA Steel Ltd.	Joda West	1437.719	27.10.84	20 Yrs.	26.10.03	W	1167.313
283	Kendujhar	Iron & Manganese Ore	M/s TATA Steel Ltd.	Bamebari	464.000	15.05.85	20 Yrs.	31.03.2000	W	382.269
284	Kendujhar	Iron & Manganese Ore	R.B. Das	Kundrupani	10.255	06.05.84	20 Yrs.	05.05.04	W	4.249
285	Kendujhar	Iron & Manganese Ore	S.C. Padhi	Banspani	37.868	29.11.73	20 Yrs.	28.11.93	W	29.199
286	Kendujhar	Iron & Manganese Ore	S.D. Sharma	Raika	26.243	01.11.79	20 Yrs.	30.10.99	W	14.621
287	Kendujhar	Iron & Manganese Ore	S.N. Mohanty	Unchabali	9.630	07.01.87	20 Yrs.	06.01.07	NW	0.000
288	Kendujhar	Iron & Manganese Ore	S.N. Mohanty	Khuntapani	15.378	04.04.82	20 Yrs.	03.04.12	NW	15.378

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289	Kendujhar	Iron & Manganese Ore	Smt. Indrani Patnaik	Unchabali	106.113	05.02.99	30 Yrs.	04.20.29	W	103.433
290	Kendujhar	Iron Ore	B.D. Agrawal	Urumunda	82.030	29.12.81	30 Yrs.	28.12.11	W	35.520
291	Kendujhar	Iron Ore	B.D. Patnaik	Kalaparbat	25.633	31.07.59	30 Yrs.	30.07.89	W	18.021
292	Kendujhar	Iron Ore	D.C. Jain	Dalpahar Block B1	0.607	09.06.86	20 Yrs.	08.06.06	NW	0.607
293	Kendujhar	Iron Ore	D.C. Jain	Dalpahar Block B3	1.012	09.06.86	20 Yrs.	08.06.06	NW	1.012
294	Kendujhar	Iron Ore	D.C. Jain	Dalpahar Block C	2.002	09.06.86	20 Yrs.	08.06.06	NW	2.002
295	Kendujhar	Iron Ore	D.R. Patnaik	Murgabeda	15.378	03.07.76	30 Yrs.	02.07.06	W	10.501
296	Kendujhar	Iron Ore	Dr. S. Pradhan	Baitaraini	12.505	09.05.86	20 Yrs.	27.07.08	NW	12.505
297	Kendujhar	Iron Ore	Dr. S. Pradhan	Baitaraini	52.892	16.9.80	30 Yrs.	27.07.08	W	52.892
298	Kendujhar	Iron Ore	Dr. S. Pradhan	Balita	34.750	01.02.64	20 Yrs.	31.01.84	W	23.315
299	Kendujhar	Iron Ore	K.C. Pradhan	Chamakpur	31.693	30.01.01	20 Yrs.	29.01.21	W	31.313
300	Kendujhar	Iron Ore	K.C. Pradhan	Lakraghat	10.720	29.11.86	20 Yrs.	28.11.06	W	9.048
301	Kendujhar	Iron Ore	K.J.S. Ahluwalia	Nuagaon	767.284	07.09.81	20 Yrs.	03.03.99	W	525.762
302	Kendujhar	Iron Ore	M.R. Das	Bhalubeda	5.139	04.12.79	20 Yrs.	03.12.99	W	4.095
303	Kendujhar	Iron Ore	M.R. Das	Deojhar	11.537	06.07.98	20 Yrs.	05.07.18	W	1.360
304	Kendujhar	Iron Ore	M/s Bhanja Mineral(P) Ltd	Deojhar	399.020	20.11.73	30 Yrs.	19.11.03	NW	102.304
305	Kendujhar	Iron Ore	M/s Essel Mining & Ind. Ltd.	Jilling- Langalota	456.100	21.03.88	20 Yrs.	30.09.04	W	369.592
306	Kendujhar	Iron Ore	M/s Gandhamardan Sponge Iron (P) Ltd.	Putuli pani	100.163	08.04.64	30 Yrs.	07.04.94	W	82.200
307	Kendujhar	Iron Ore	M/s K.N. Ram & Co.	Roida - II	74.867	03.09.87	30 Yrs.	02.09.07	W	71.035
308	Kendujhar	Iron Ore	M/s Kalinga Mining Corpn.	Jurudi	73.228	18.12.80	20 Yrs.	31.03.97	W	57.177
309	Kendujhar	Iron Ore	M/s Kalinga Mining Corpn.	Jurudi	27.170	15.06.77	20 Yrs.	21.06.93	W	16.357
310	Kendujhar	Iron Ore	M/s Kalinga Mining Corpn.	Jurudi	12.691	15.06.77	20 Yrs.	21.06.93	W	6.313

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311	Kendujhar	Iron Ore	M/s Kaypee Enterprises	Thakurani	228.040	01.01.83	20 Yrs.	31.12.02	W	228.040
312	Kendujhar	Iron Ore	M/s Mid East Int. Steel Ltd.	Roida- I	104.688	23.01.83	20 Yrs.	22.01.03	W	104.688
313	Kendujhar	Iron Ore	M/s Mineral Trading Syndicate	Bhalubeda	62.322	10.06.83	20 Yrs.	09.06.03	W	0.000
314	Kendujhar	Iron Ore	M/s Narayani Sons (P) Ltd.	Surguturia	99.784	06.07.90	20 Yrs.	05.07.2000	W	70.573
315	Kendujhar	Iron Ore	M/s Narayani Sons (P) Ltd.	Laupada	141.336	01.12.70	30 Yrs.	As per HC Order	W	35.865
316	Kendujhar	Iron Ore	M/s O.M.C. Ltd.	Gandhamardan -B	1590.867	11.07.70	30 Yrs.	10.07.2000	W	1409.648
317	Kendujhar	Iron Ore	M/s O.M.C. Ltd.	Khandbandh	366.311	30.11.63	30 Yrs.	29.11.03	W	294.530
318	Kendujhar	Iron Ore	M/s O.M.C. Ltd.	Sekradihi	564.537	28.12.59	30 Yrs.	27.12.89	W	189.630
319	Kendujhar	Iron Ore	M/s O.M.C. Ltd.	Balda-Palsa-Jajang	861.521	27.02.70	30 Yrs.	26.02.2000	W	332.090
320	Kendujhar	Iron Ore	M/s O.M.C. Ltd.	Banspani	380.400	21.05.56	30 Yrs.	20.05.96	W	187.907
321	Kendujhar	Iron Ore	M/s O.M.C. Ltd.	Gandhamardan-A	618.576	21.05.63	30 Yrs.	20.06.93	W	519.747
322	Kendujhar	Iron Ore	M/s O.M.C. Ltd.	Unchabali, Balda, Nayagada	68.000	09.06.08	20 Yrs.	08.06.28	W	0.000
323	Kendujhar	Iron Ore	M/s O.M.D.Co.	Bagiaburu M-Block	21.521	01.10.90	20 Yrs.	30.09.10	W	21.521
324	Kendujhar	Iron Ore	M/s O.M.D.Co.	Kolha-Roida	103.601	01.10.90	20 Yrs.	30.09.10	W	0.000
325	Kendujhar	Iron Ore	M/s Patnaik Minerals Pvt. Ltd	Jaribahal	106.534	20.06.88	20 Yrs.	19.06.08	W	3.893
326	Kendujhar	Iron Ore	M/s Rungta Sons (p) Ltd.	Bandhabeda	22.226	20.10.82	30 Yrs.	19.10.12	NW	
327	Kendujhar	Iron Ore	M/s SAIL	Bolani	1321.450	11.04.60	30 Yrs.	10.04.90	W	1225.750
328	Kendujhar	Iron Ore	M/s Sarda Mines (P) Ltd.	Thakurani Block-B	947.046	14.08.01	20 Yrs.	13.08.20	W	943.926
329	Kendujhar	Iron Ore	M/s Sirrajuddin & Co.	Balda Block	335.840	21.06.99	20 Yrs.	2012.17	W	38.182
330	Kendujhar	Iron Ore	M/s T.B. Lal & Co.	Jajang	22.690	11.10.61	30 Yrs.	10.10.91	W	0.000

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331	Kendujhar	Iron Ore	M/s Tarini Minerals (P) Ltd.	Deojhar	34.368	05.09.94	20 Yrs.	04.09.14	W	34.368
332	Kendujhar	Iron Ore	M/s TATA Steel Ltd.	Joda East	670.807	18.12.97	20 Yrs.	30.06.05	W	608.906
333	Kendujhar	Iron Ore	R.P. Sao	Guali	365.026	27.06.73	20 Yrs.	26.06.93	W	268.117
334	Kendujhar	Iron Ore	S.C. Padhi	Gurubeda	49.774	05.07.92	10 Yrs.	04.07.02	W	49.039
335	Kendujhar	Iron Ore , Dolomite & Limestone	M/s Essel Mining & Ind. Ltd.	Kasia	134.733	14.09.85	30 Yrs.	13.09.05	W	113.880
336	Kendujhar	Manganese Ore	R.P. Sao	Chormalda	141.122	01.12.67	20 Yrs.	30.11.87	W	
337	Kendujhar	Manganese Ore	M/s FACOR Ltd.	Katasahi	13.674	01.08.98	20 Yrs.	31.07.18	W	0.000
338	Kendujhar	Manganese Ore	M/s Kalinga Mining Corpn.	Jurudi	54.754	16.06.77	20 Yrs.	21.06.93	W	36.477
339	Kendujhar	Manganese Ore	M/s Kalinga Mining Corpn.	Jurudi	39.456	15.06.77	20 Yrs.	21.06.93	W	22.316
340	Kendujhar	Manganese Ore	M/s O.M.C. Ltd.	Roida-D	129.449	Working Permission	20 Yrs.		NW	129.449
341	Kendujhar	Manganese Ore	M/s O.M.C. Ltd.	Parelipada	104.860	25.04.81	20 Yrs.	24.04.01	NW	84.190
342	Kendujhar	Manganese Ore	M/s O.M.C. Ltd.	Roida-Sidhamath	78.711	25.04.81	20 Yrs.	24.04.01	NW	78.711
343	Kendujhar	Manganese Ore	M/s O.M.C. Ltd.	Dubna	1135.419	08.09.71	20 Yrs.	07.09.91	W	1001.700
344	Kendujhar	Manganese Ore	M/s Patnaik Minerals Pvt. Ltd	Jaribahal (Palsa)	14.739	20.06.94	20 Yrs.	19.06.14	W	14.739
345	Kendujhar	Manganese Ore	M/s Rungta Sons (P) Ltd.	Katasahi	196.860	13.02.97	20 Yrs.	12.02.17	W	100.530
346	Kendujhar	Manganese Ore	M/s Sirrajuddin & Co.	Gurda	40.064	22.04.2000	20 Yrs.	21.04.20	W	0.000
347	Kendujhar	Manganese Ore	M/s TATA Steel Ltd.	Manmora	16.439	07.07.98	20 Yrs.	30.06.05	W	6.217
348	Kendujhar	Manganese Ore	M/s TATA Steel Ltd.	Guruda	169.000	16.03.85	20 Yrs.	28.02.2000	W	68.914
349	Kendujhar	Manganese Ore	S.N. DasMohapatra	Katasahi-Kolha-Rudkela	36.474	03.05.02	20 Yrs.	02.05.22	W	0.000
350	Kendujhar	Pyrophyllite	B.L. Newatia	Tikarpada	112.487	07.11.98	20 Yrs.	06.11.18	NW	45.348
351	Kendujhar	Pyrophyllite	G.P. Behera	Jamudiha	35.000	29.07.98	20 Yrs.	28.07.18	W	35.000
352	Kendujhar	Pyrophyllite	S.C. Mallick	Raduan	50.806	25.04.91	20 Yrs.	24.04.11	NW	41.599

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353	Kendujhar	Pyrophyllite & Quartzite	B.L. Newatia	Madrangjodi	53.800	23.02.82	20 Yrs.	22.02.02	W	0.000
354	Kendujhar	Pyrophyllite & Quartzite	M/s D.M. Minerals (P) Ltd.	Medinapur	147.070	26.02.85	20 Yrs.	25.02.05	NW	51.613
355	Kendujhar	Pyrophyllite & Quartzite	M/s Kendujhar Minerals (p) Ltd.	Amjore	29.725	19.05.79	20 Yrs.	18.05.99	NW	27.296
356	Kendujhar	Pyrophyllite & Quartzite	M/s Kendujhar Minerals (p) Ltd.	Bhaliadihi	44.487	19.03.79	20 Yrs.	18.05.99	W	40.323
357	Kendujhar	Pyrophyllite & Quartzite	M/s Sovan Minerals (P) Ltd.	Ambadhara	26.006	29.07.98	20 Yrs.	28.07.18	W	0.000
358	Kendujhar	Pyrophyllite & Quartzite	M/s Utkal Minerals (P) Ltd.	Nitigotha	3.920	30.09.96	20 Yrs.	29.09.16	W	3.920
359	Kendujhar	Quartz & Quartzite	B.K. Mohanty	Ramchandrapur	19.263	30.12.80	20 Yrs.	29.12.2000	W	0.000
360	Kendujhar	Quartzite	G.L. Chowda	Chauthia	3.070	12.04.86	20 Yrs.	11.04.06	W	0.000
361	Kendujhar	Quartzite	S.N. Mohanty	Raruanguda	32.921	12.03.85	20 Yrs.	11.03.05	NW	0.396
362	Khurda	Fireclay	M/s J.K.& K.P. Jhunjhunwala	Jaganathprasad	117.737	18.11.75	20 Yrs.	12.11.95	W	117.737
363	Khurda	Fireclay	Smt. Prafuli Pradhan	JaganathPrasad	9.715	05.03.83	20 Yrs.	04.03.03	NW	8.886
364	Koraput	Bauxite	M/s HINDALCO Industries Ltd.	Maliparbat	268.110	14.11.07	20 Yrs.	13.11.27	W	
365	Koraput	Bauxite	M/s NALCO Ltd.	Panchpatmali (South Block)	1243.995	20.07.79	30 Yrs.	19.07.09	NW	221.738
366	Koraput	Bauxite	M/s NALCO Ltd.	Panchpatmali North Block	3403.281	17.11.82	30 Yrs.	16.11.12	W	2887.347
367	Koraput	Chinaclay	P. Laxmanswamy	Udiyaguda	38.502	03.04.02	20 Yrs.	02.04.22	NW	0.000
368	Koraput	Chinaclay	P. Laxmanswamy	Hatasuku	76.575	14.06.07	20 Yrs.	13.06.27	NW	0.000
369	Koraput	Limestone	M/s IDC of Orissa Ltd.	Ampavalli	285.429	16.08.93	20 Yrs.	15.08.13	W	0.000
370	Koraput	Limestone	M/s O.M.C. Ltd.	Ampavalli	1300.790	20.08.75	20 Yrs.	19.08.95	W	377.846
371	Koraput	Nepheline Syenite	M/s V. Gimpex Mining (P) Ltd.	Mastiput	14.277	13.10.06	20 Yrs.	12.10.26	NW	0.000

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372	Koraput	Quartz	M.B. Chakra	Ramgiri	11.280	15.06.88	20 Yrs.	14.06.08	NW	11.115
373	Koraput	Quartz	R.R. Mohanty	Marthapara	26.778	10.04.81	20 Yrs.	09.04.01	W	0.000
374	Malkangiri	Quartz	M/s Dharampal & Co.	Gudiali	2.479	23.04.88	20 Yrs.	22.04.08	W	2.479
375	Malkangiri	Tin Ore	M/s Hamco Mining &Smelling	Goliaguda	20.855	09.08.97	20 Yrs.	08.08.17	NW	0.000
376	Mayurbhanj	Asbestos	K.K. Chaurasia	Nandabasa	117.350	04.01.79	20 Yrs.	03.01.99	W	114.110
377	Mayurbhanj	Chinaclay	Ajit Samantrahy	Ramachndrapur	112.106	04.05.88	20 Yrs.	03.05.08	NW	42.954
378	Mayurbhanj	Chinaclay	Bibhudatta Sahu	Kumbharapundigundi	15.532	28.02.02	20 Yrs.	27.02.22	W	0.000
379	Mayurbhanj	Chinaclay	D.C. Dagara	Hizli	91.520	18.05.91	20 Yrs.	17.05.11	W	0.000
380	Mayurbhanj	Chinaclay	K.P. Singhanian	Chanchabani	119.446	25.04.77	20 Yrs.	24.04.97	NW	0.000
381	Mayurbhanj	Chinaclay	M/s Arun Udyog	Jashipur	121.567	10.08.83	20 Yrs.	09.08.03	W	115.320
382	Mayurbhanj	Chinaclay	M/s J.M. & M.(P) Ltd.	Kadadiha	367.058	04.02.95	20 Yrs.	03.02.15	W	0.000
383	Mayurbhanj	Chinaclay	M/s Mayur Electro Potteries (P) Ltd.	Jamda	154.000	18.12.74	20 Yrs.	17.12.94	NW	109.126
384	Mayurbhanj	Chinaclay	M/s O.M.C. Ltd.	Dumuria	142.700	09.08.78	30 Yrs.	08.08.98	NW	22.315
385	Mayurbhanj	Chinaclay	P.D. Agrawal	Khprasahi	43.674	28.07.2000	20 Yrs.	27.07.20	NW	0.000
386	Mayurbhanj	Chinaclay	S.K. Allauddin	Gadapalasa Block A	24.352	21.08.98	20 Yrs.	20.08.18	NW	0.000
387	Mayurbhanj	Chinaclay	S.K. Allauddin	Gadapalasa Block B	26.442	21.08.98	20 Yrs.	20.08.18	NW	0.000
388	Mayurbhanj	Chinaclay	S.K. Allauddin	Gadapalasa Block C	18.451	21.08.98	20 Yrs.	20.08.18	NW	0.000
389	Mayurbhanj	Fireclay	D.C. Dagara	Brukhyabhanupur	29.493	30.12.83	20 Yrs.	29.12.03	NW	7.470
390	Mayurbhanj	Iron & Manganese Ore	J.K. Choubey	Budhrajpahar	8.130	29.07.71	30 Yrs.	28.07.01	NW	8.130
391	Mayurbhanj	Iron Ore	B. K. Das	Kasiabera	9.874	15.04.91	20 Yrs.	14.04.11	W	0.000
392	Mayurbhanj	Iron Ore	B.C. Dagara	Suleipat	618.000	25.10.75	30 Yrs.	24.10.05	W	376.900
393	Mayurbhanj	Iron Ore	B.C. Dagara	Bhitaramda	243.820	09.03.78	30 Yrs.	08.03.08	W	243.701
394	Mayurbhanj	Iron Ore	D.C. Dagara	Ghusuria	48.559	21.08.84	20 Yrs.	20.08.04	W	32.020
395	Mayurbhanj	Iron Ore	D.C. Das	Maharajpur	193.229	06.04.79	30 Yrs.	05.04.09	W	175.765
396	Mayurbhanj	Iron Ore	G.S. Choubey	Nangalsila	45.931	19.04.85	20 Yrs.	18.04.05	W	8.745



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397	Mayurbhanj	Iron Ore	G.S. Mishra & Sons (P) Ltd.	Gorumahisani	349.500	07.01.70	30 Yrs.	06.01.2000	W	118.000
398	Mayurbhanj	Iron Ore	J.K. Choubey	Purunapani-Bhuyanbasa	85.490	22.07.85	20 Yrs.	21.07.05	W	0.000
399	Mayurbhanj	Iron Ore	M/s Lal Traders & Agencies (P) Ltd.	Badampahar	119.630	27.05.70	30 Yrs.	26.05.2000	W	119.630
400	Mayurbhanj	Iron Ore	S.A. Karim	Ashanbani	1.157	05.07.97	20 Yrs.	04.07.17	W	0.000
401	Mayurbhanj	Kyanite	K.K. Chaurasia	Panijia	55.490	23.11.81	20 Yrs.	22.11.01	W	45.887
402	Mayurbhanj	Quartz & Quartzite	M. R. Hota	Lupung & Hansadihi	18.818	07.01.08	20 Yrs.	06.01.28	W	0.000
403	Mayurbhanj	Quartzite	B.K. Das	Dalki-II	1.295	16.6.2000	20 Yrs.	15.06.20	W	0.000
404	Mayurbhanj	Quartzite	D.C. Das	Patramahulpani	2.125	25.02.88	20 Yrs.	24.02.08	NW	0.000
405	Mayurbhanj	Quartzite	D.C. Das	Kuldiha	4.856	26.06.83	20 Yrs.	25.06.03	W	3.695
406	Mayurbhanj	Quartzite	Dinabandhu Mohapatra	Dalki-I	3.845	15.04.2000	20 Yrs.	14.04.20	W	0.000
407	Mayurbhanj	Quartzite	Hadibandhu Putty	Paktia-II	4.132	02.12.02	20 Yrs.	01.12.22	W	0.000
408	Mayurbhanj	Quartzite	J.G. Khandelwal	Jadunathpur	2.760	19.02.90	20 Yrs.	18.02.10	W	0.000
409	Mayurbhanj	Quartzite	K.B. Mohanty	Tiringdihi	1.497	05.09.84	20 Yrs.	04.09.04	W	0.000
410	Mayurbhanj	Quartzite	L.K. Das	Paktia-I	3.581	30.03.01	20 Yrs.	29.03.21	W	0.000
411	Mayurbhanj	Quartzite	L.K. Das	Pandupani	13.050	27.04.83	20 Yrs.	26.04.03	W	0.000
412	Mayurbhanj	Quartzite	M/s Baleswar Alloys Ltd.	Baghjhumpa	3.640	24.07.04	20 Yrs.	23.07.24	W	0.000
413	Mayurbhanj	Quartzite	M/s Utkal Minerals & Pharmaceuticals (P) Ltd.	Khasadiha	40.120	20.06.83	20 Yrs.	19.06.03	W	0.000
414	Mayurbhanj	Quartzite	N.C. Das	Jashipur	0.898	06.01.99	20 Yrs.	05.01.19	W	0.000
415	Mayurbhanj	Quartzite	S.K. Behera	Nischinta	5.419	07.09.2000	20 Yrs.	06.09.20	W	0.000
416	Mayurbhanj	Quartzite	S.K. Behera	Purnapani	48.948	18.01.02	20 Yrs.	17.01.22	W	0.000
417	Mayurbhanj	Soapstone	A.K. Das	Mankadpada	13.318	25.01.01	20 Yrs.	24.01.21	W	0.000
418	Mayurbhanj	Soapstone	B.C. Dagara	Bagedihi	122.891	14.08.87	20 Yrs.	13.08.07	NW	
419	Mayurbhanj	Soapstone	J. R. Tripathy	Khadikhaniania - I	31.865	19.08.70	30 Yrs.	18.08.90	W	6.159

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420	Mayurbhanj	Soapstone	K.K. Das	Khadikhania - II	149.733	23.07.79	20 Yrs.	22.07.99	<b>W</b>	0.000
421	Mayurbhanj	Talc	J.G. Khandelwal	Kundalbani	62.483	22.08.83	20 Yrs.	21.08.03	NW	36.021
422	Nayagada	Graphite	B.K. Agrawal	Narajpada	16.641	31.10.89	20 Yrs.	30.10.09	NW	0.000
423	Nuapada	Gemstones	M/s O.M.C. Ltd.	Budhapara	33.949	14.06.93	10 Yrs.	13.06.03	NW	0.000
424	Nuapada	Graphite	D.K. Agrawal	Kirkita	31.808	15.02.05	20 Yrs.	14.02.25	<b>W</b>	0.000
425	Nuapada	Graphite	G.L. Agrawal	Dharmasagar	69.217	06.06.2000	20 Yrs.	05.06.20	NW	0.000
426	Nuapada	Graphite	P.C. Agrawal	Gandabahali	31.869	15.02.05	20 Yrs.	14.02.25	<b>W</b>	0.000
427	Nuapada	Graphite	P.K. Agrawal	Gandabahali	20.234	04.10.97	20 Yrs.	03.10.17	<b>W</b>	0.000
428	Nuapada	Graphite	P.K. Agrawal	Kirkita / Gondabahali	35.409	15.02.05	20 Yrs.	14.02.25	<b>W</b>	0.000
429	Nuapada	Limestone	M/s IDC of Orissa Ltd.	Dampalla	42.165	29.06.88	20 Yrs.	28.06.08	NW	0.000
430	Nuapada	Limestone	M/s IDC of Orissa Ltd.	Rohinpadar	109.583	03.08.85	20 Yrs.	02.08.08	NW	0.000
431	Nuapada	Limestone	M/s IDC of Orissa Ltd.	Chandapalla	181.211	09.08.96	20 Yrs.	08.08.16	NW	0.000
432	Rayagada	Bauxite	M/s Utkal Alumina Int. Ltd.	Baphilimali	1388.740	17.02.98	30 Yrs.	16.02.28	NW	0.000
433	Rayagada	Graphite	H.N. Mishra	Lakhajharana	20.707	01.06.05	20Yrs	31.05.25	NW	0.000
434	Rayagada	Graphite	M/s Pradhan Ind.	Bandhamundi	73.429	27.09.91	20 Yrs.	26.09.11	<b>W</b>	0.000
435	Rayagada	Graphite	M/s Pradhan Ind.	Sanamatru	69.788	27.09.91	20 Yrs.	26.09.11	<b>W</b>	0.000
436	Rayagada	Graphite	M/s T.P. Mineral Ind. (P) Ltd.	Khalapadar	29.437	16.02.05	20Yrs	15.02.25	NW	0.000
437	Rayagada	Graphite	M/s T.P. Mineral Ind. (P) Ltd.	Huruguda	104.121	20.10.06	30 Yrs.	19.10.36	NW	0.000
438	Rayagada	Graphite	M/s T.P. Mineral Ind. (P) Ltd.	Sargiguda	19.135	20.10.06	20 Yrs.	19.10.26	NW	0.000
439	Rayagada	Graphite	M/s T.P. Mineral Ind. (P) Ltd.	Temapadar	46.500	07.12.04	20Yrs	06.12.24	<b>W</b>	0.000
440	Rayagada	Graphite	M/s T.P. Mineral Ind. (P) Ltd.	Birili	17.717	20.10.05	20 Yrs.	19.10.25	<b>W</b>	0.000
441	Rayagada	Graphite	M/s T.P. Mineral Ind. (P) Ltd.	Kumbhibhata	107.646	02.08.06	30 Yrs.	01.08.36	<b>W</b>	0.000
442	Rayagada	Graphite	M/s Utkal Minerals	Kumbhibhata	36.826	20.02.99	20 Yrs.	19.02.19	<b>W</b>	0.000

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443	Rayagada	Graphite	Shibananda Pradhan	Birida	45.753	26.12.05	20 Yrs.	25.12.25	NW	
444	Rayagada	Graphite	Smt. Geetarani Mohanty	Gundrugaon	12.310	13.02.87	20 Yrs.	12.02.07	NW	0.000
445	Rayagada	Graphite	Smt. Geetarani Mohanty	Malimunda	27.025	07.08.93	20 Yrs.	06.08.13	NW	0.000
446	Rayagada	Graphite	Smt. Kanan Patra	Khariguda	7.908	15.07.94	10 Yrs.	14.07.04	NW	0.000
447	Rayagada	Manganese Ore	Kunal Das	Anajori	18.494	09.07.04	20Yrs	08.07.24	<b>W</b>	0.000
448	Rayagada	Manganese Ore	M.R. Das	Kasipur	22.112	18.06.89	20 Yrs.	17.06.09	<b>W</b>	0.451
449	Rayagada	Manganese Ore	M.R. Das	Khurigaon	26.636	19.04.05	20Yrs	18.04.25	<b>W</b>	0.000
450	Rayagada	Manganese Ore	M/s Indicom Minerals (P) Ltd.	Podakana	11.159	03.05.95	20 Yrs.	02.05.15	NW	0.000
451	Rayagada	Manganese Ore	M/s O.M.C. Ltd.	Nishikhal	501.670	28.06.84	20 Yrs.	27.06.04	NW	455.020
452	Rayagada	Quartz	M/s Sridhar Minerals	Kusumpadar	24.890	08.07.86	20Yrs	07.07.06	NW	0.000
453	Rayagada	Quartz	M/s Utkal Manufacturing & Services Ltd.	Karlakana	15.378	28.11.02	30 Yrs.	27.11.32	NW	0.000
454	Sambalpur	Chinaclay	P. Ghose	Akhardadan-Gondkona	164.958	15.12.78	20 Yrs.	14.12.98	NW	121.463
455	Sambalpur	Chinaclay	P. Ghose	Jhankarpali	40.469	11.03.03	20 Yrs.	10.03.23	<b>W</b>	0.000
456	Sambalpur	Coal	M/s INDAL Co. Ltd.	Talabira (O/C)	170.305	03.06.03	30 Yrs.	06.06.33	<b>W</b>	45.460
457	Sambalpur	Fireclay	Smt. L.P. Devi	Chandli	32.974	01.01.74	20 Yrs.	01.01.94	NW	6.070
458	Sambalpur	Gemstones (Aquamarine)	M/s Bharat Precious Stone Exploration (P) Ltd.	Charbati	24.289	25.04.08	20 Yrs.	24.04.28	NW	
459	Sambalpur	Quartz	A. K. Sing Deo	Bramhanipali	33.589	29.02.88	20 Yrs.	28.02.08	<b>W</b>	0.000
460	Sambalpur	Quartz	S.K. Singhbariha	Kenchupani	6.827	03.05.2000	20 Yrs.	02.05.20	<b>W</b>	0.000
461	Sambalpur	Quartz & Quartzite	Fakir Rohidas	Brahmanipali	25.046	05.11.07	20 Yrs.	04.11.27	<b>W</b>	0.000
462	Sambalpur	Soapstone	Pravash Ch. Agrawal	Pudapada	4.047	02.06.78	20 Yrs.	01.06.98	<b>W</b>	2.117
463	Subarnapur	Quartz	M/s FACOR Ltd.	Telipali	59.084	21.12.83	20 Yrs.	20.12.03	<b>W</b>	4.039
464	Subarnapur	Quartz & Gemstone	Amarendra Mallick	Burubuda	37.433	28.02.06	20 Yrs.	27.02.26	<b>W</b>	0.000
465	Subarnapur	Quartz & Gemstone	Amarendra Mallick	Chandli	18.000	28.02.06	20 Yrs.	27.02.26	<b>W</b>	0.000

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466	Subarnapur	Quartz & Gemstone	M/s Arunodaya Minerals & Trading Co.	Barajhula	8.361	01.07.05	20 Yrs.	30.06.25	W	0.000
467	Subarnapur	Quartz & Gemstone	M/s Manikeswari Minerals	Gopapati	51.780	11.09.06	20 Yrs.	10.09.26	W	102.700
468	Sundargada	Bauxite	M/s ORIND LTD.	Kushumdihi	102.700	01.08.77	20 Yrs.	31.07.97	NW	15.031
469	Sundargada	Bauxite	M/s Rungta Sons (P) Ltd.	Kamando	43.067	26.02.85	20 Yrs.	25.02.05	W	117.440
470	Sundargada	Bauxite	M/s SAIL	Tantra	117.440	18.08.69	20 Yrs.	17.08.89	NW	106.138
471	Sundargada	Bauxite	P.D. Agrawal	Tantra	106.138	08.07.91	20 Yrs.	07.07.11	W	106.138
472	Sundargada	Coal	M/s M.C. Ltd.	Basundhara OCP	140.840	Under CBA Act			W	21.580
473	Sundargada	Dolomite	A. N. Patnaik	Banki	26.304	12.05.94	20 Yrs.	11.05.14	W	0.000
474	Sundargada	Dolomite	G.C. Rout	Bonrai	9.324	19.08.02	20 Yrs.	18.08.22	W	0.000
475	Sundargada	Dolomite	M/s Bijaya Aditya Mines	Minmina & Satra	33.492	13.02.08	20 Yrs.	12.02.28	W	0.000
476	Sundargada	Dolomite	M/s TATA Steel Ltd.	Gomardihi	372.796	06.03.93	20 Yrs.	05.03.13	W	0.000
477	Sundargada	Fireclay	B.S. Mishra	Jamkani RF-I	255.760	15.12.76	20 Yrs.	14.12.96	NW	255.760
478	Sundargada	Fireclay	B.S. Mishra	Jamkani RF-II	305.251	22.01.80	20 Yrs.	21.01.2000	NW	127.723
479	Sundargada	Fireclay	J. Parmanik	Kulda	123.900	15.04.80	20 Yrs.	14.04.2000	NW	0.000
480	Sundargada	Fireclay	M/s Rungta Sons (P) Ltd.	Ghorapali	97.330	30.06.80	20 Yrs.	29.6.2000	NW	49.340
481	Sundargada	Fireclay	M/s Shah Refractories (P) Ltd.	Ratansara	161.870	10.11.78	20 Yrs.	09.11.98	NW	161.870
482	Sundargada	Fireclay	M/s Shah Refractories (P) Ltd.	Bhograkachar	87.573	13.10.76	20 Yrs.	12.10.96	NW	87.573
483	Sundargada	Fireclay	P.L. Sharma	Siarmal	113.900	23.05.81	20 Yrs.	22.05.01	NW	8.519
484	Sundargada	Fireclay & Sandstone	Md. Naimuddin	Amatpani	192.175	03.01.86	20 Yrs.	02.01.06	NW	0.000
485	Sundargada	Fireclay & Silicasand	Md. Naimuddin	Rajbahal	255.160	22.05.85	20 Yrs.	21.05.05	NW	85.514
486	Sundargada	Iron & Manganese Ore	B.C. Dagara	Gonua - Mandajoda	12.080	25.04.05	20 Yrs.	24.04.25	NW	0.000

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487	Sundargada	Iron & Manganese Ore	B.C. Dagara	Dalita	22.165	20.06.03	20 Yrs.	19.06.23	NW	12.031
488	Sundargada	Iron & Manganese Ore	B.S. Mishra	Kanther-Koira	13.270	30.09.82	20 Yrs.	29.09.02	<b>W</b>	0.538
489	Sundargada	Iron & Manganese Ore	C.P. Shamra	Raikela	69.606	17.04.86	20 Yrs.	16.04.06	<b>W</b>	67.716
490	Sundargada	Iron & Manganese Ore	K.C. Pradhan	Gonua	12.560	15.03.91	20 Yrs.	14.03.11	<b>W</b>	12.404
491	Sundargada	Iron & Manganese Ore	K.J.S. Ahluwalia	Gonua	23.300	16.07.88	20 Yrs.	15.07.08	NW	20.610
492	Sundargada	Iron & Manganese Ore	K.J.S. Ahluwalia	Tantigram	29.575	16.07.91	20 Yrs.	23.07.11	NW	29.575
493	Sundargada	Iron & Manganese Ore	M/s A.M.T.C. (P) Ltd	Naraynpasi	349.254	02.02.85	20 Yrs.	01.20.05	<b>W</b>	259.191
494	Sundargada	Iron & Manganese Ore	M/s B.I.Co. Ltd.	Nadidihi	73.855	11.12.87	20 Yrs.	10.12.07	<b>W</b>	67.627
495	Sundargada	Iron & Manganese Ore	M/s M.G. Mohanty	Gonua	83.151	30.11.71	20 Yrs.	29.11.91	NW	83.151
496	Sundargada	Iron & Manganese Ore	M/s M.G. Mohanty	Patabeda	19.425	03.04.86	20 Yrs.	02.04.16	<b>W</b>	16.503
497	Sundargada	Iron & Manganese Ore	M/s National Enterprises	Sanindupur	75.000	16.09.80	20 Yrs.	09.04.2000	<b>W</b>	58.615
498	Sundargada	Iron & Manganese Ore	M/s Tarini Minerals	Teherai-Gonua	29.067	26.12.80	20 Yrs.	25.12.2000	<b>W</b>	5.855
499	Sundargada	Iron & Manganese Ore	M/s Zenith Mining (p) Ltd.	Gonua	129.179	23.10.91	10 Yrs.	22.10.01	<b>W</b>	0.291
500	Sundargada	Iron & Manganese Ore	Matadin Sarda	Khajurdihi	119.543	31.08.67	20 Yrs.	30.08.2000	<b>W</b>	119.543
501	Sundargada	Iron & Manganese Ore	P.K. Ahluwalia	Gonua	86.886	05.10.90	20 Yrs.	04.10.10	<b>W</b>	66.449

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502	Sundargada	Iron & Manganese Ore	Prabodh Mohanty	Nuagaon	29.257	11.05.99	20 Yrs.	10.05.19	W	14.618
503	Sundargada	Iron & Manganese Ore	S.A. Halim	Oraghat	25.847	06.04.98	20 Yrs.	05.04.18	W	5.888
504	Sundargada	Iron & Manganese Ore	S.D. Sharma	Nuagaon	12.942	10.05.85	20 Yrs.	09.05.05	W	12.942
505	Sundargada	Iron Ore	J.N. Patnaik	Bhanjapali	18.000	01.04.97	30 Yrs.	31.03.27	W	12.566
506	Sundargada	Iron Ore	M/s Essel Mining & Ind. Ltd.	Koira	90.143	27.08.71	30 Yrs.	26.8.01	W	68.513
507	Sundargada	Iron Ore	M/s Feegrade & Co.	Nadidihi	121.405	18.12.79	20 Yrs.	17.12.99	W	90.585
508	Sundargada	Iron Ore	M/s Geetarani Mohanty	Raikela	67.586	03.07.91	20 Yrs.	02.07.11	W	66.668
509	Sundargada	Iron Ore	M/s Jindal Steel & Power Ltd	Raikela	297.848	25.05.85	20 Yrs.	24.05.05	W	135.483
510	Sundargada	Iron Ore	M/s Korp Resources (P) Ltd.	Tantra	72.560	22.11.85	20 Yrs.	21.11.05	W	72.419
511	Sundargada	Iron Ore	M/s M.G. Mohanty	Patabeda	14.000	08.03.06	20Yrs	07.03.26	W	14.000
512	Sundargada	Iron Ore	M/s MGM Minerals Ltd.	Patabeda	28.397	08.03.06	20 Yrs.	07.03.26	W	27.086
513	Sundargada	Iron Ore	M/s National Enterprises	Raikela	45.932	31.12.83	20 Yrs.	30.12.03	W	43.876
514	Sundargada	Iron Ore	M/s O.M.C. Ltd.	Rantha	408.873	31.12.68	20 Yrs.	30.12.98	NW	408.873
515	Sundargada	Iron Ore	M/s O.M.C. Ltd.	Kurmitar Pahar	1212.470	29.04.65	20 Yrs.	28.04.85	W	1206.138
516	Sundargada	Iron Ore	M/s O.M.C. Ltd.	Kasira	418.335	13.10.76	20 Yrs.	12.10.96	W	222.013
517	Sundargada	Iron Ore	M/s O.M.C. Ltd.	Bhanjapali	141.235	07.05.82	30 Yrs.	06.05.12	W	93.277
518	Sundargada	Iron Ore	M/s Penguin Trading & Agencies (P) Ltd.	Raikela	49.372	03.12.86	20 Yrs.	02.12.06	W	48.631
519	Sundargada	Iron Ore	M/s Rungta Sons (p) Ltd.	Oraghat	82.916	10.12.82	20 Yrs.	09.12.12	W	74.482
520	Sundargada	Iron Ore	M/s SAIL	Toda RF	77.940	29.04.80	30 Yrs.	28.04.2000	NW	77.940

Sl. No.	District	Name of the Mineral	Name of the Lessees	Location of the Lease	Area (Hect.)	Date of Execution	Period of Lease	Date of Expiry	Status of Working	Forest Area (hect.)
521	Sundargada	Iron Ore	M/s SAIL	Toda RF	25.981	17.01.75	20 Yrs.	16.01.95	NW	25.981
522	Sundargada	Iron Ore	M/s SAIL	Toda RF	3.340	18.01.84	20 Yrs.	17.01.04	NW	3.340
523	Sundargada	Iron Ore	M/s SAIL	Barsuan-Kalta	2486.382	06.01.60	20 Yrs.	05.01.90	<b>W</b>	1891.150
524	Sundargada	Iron Ore	S.D. Sharma	Raikela	14.933	21.01.82	30 Yrs.	20.01.12	<b>W</b>	7.438
525	Sundargada	Iron Ore	S.N. Mohanty	Raikela	18.315	03.04.82	20 Yrs.	02.04.12	<b>W</b>	17.474
526	Sundargada	Iron Ore & Bauxite	M/s Rungta Sons (P) Ltd.	Sanindupur	137.100	06.09.85	20 Yrs.	05.09.05	<b>W</b>	125.971
527	Sundargada	Iron Ore & Bauxite	S.N. Mohanty	Jaldihi	333.063	20.01.87	20 Yrs.	19.01.07	<b>W</b>	188.523
528	Sundargada	Limestone & Dolomite	B.S. Mishra	Kadalibahal	194.378	21.04.80	20 Yrs.	20.04.2000	NW	0.000
529	Sundargada	Limestone & Dolomite	Dr. N.R. Pradhan	Rokedega	53.211	07.08.80	20 Yrs.	06.06.2000	NW	0.000
530	Sundargada	Limestone & Dolomite	K.C. Pradhan	Raiberna	34.800	22.08.96	20 Yrs.	21.08.16	NW	0.000
531	Sundargada	Limestone & Dolomite	K.C. Pradhan	Raiberna	38.514	20.08.96	20 Yrs.	19.08.16	NW	0.000
532	Sundargada	Limestone & Dolomite	M/s B.D. Patnaik Minerals (P) Ltd.	Sarmuhan	44.742	02.09.96	20 Yrs.	01.09.16	NW	0.000
533	Sundargada	Limestone & Dolomite	M/s B.D. Patnaik Minerals (P) Ltd.	Kadalibahal	58.178	02.04.77	20 Yrs.	01.04.97	<b>W</b>	2.125
534	Sundargada	Limestone & Dolomite	M/s B.D. Patnaik Minerals (P) Ltd.	Alanda	45.555	17.01.95	20 Yrs.	16.01.15	<b>W</b>	0.000
535	Sundargada	Limestone & Dolomite	M/s B.S.L.Co.Ltd.	Biramitrapur	793.966	01.03.90	10 Yrs.	29.02.2000	<b>W</b>	0.000
536	Sundargada	Limestone & Dolomite	M/s Baleswar Minerals (P) Ltd.	Binita-Baneilata	183.176	31.05.89	20 Yrs.	30.05.09	NW	25.576
537	Sundargada	Limestone & Dolomite	M/s Bethal Mining Traders	Kalimati & Gopalpur	53.411	05.05.78	20 Yrs.	20.11.98	<b>W</b>	0.000
538	Sundargada	Limestone & Dolomite	M/s Bethal Mining Traders	Kandheimunda	106.218	04.01.92	20 Yrs.	03.01.12	<b>W</b>	0.000
539	Sundargada	Limestone & Dolomite	M/s Chariot Steel & Power (P) Ltd.	Raiboga	33.104	15.03.07	20 Yrs.	14.03.27	<b>W</b>	0.000
540	Sundargada	Limestone & Dolomite	M/s G.S.Sharma & Sons	Jharbeda	95.684	24.03.79	20 Yrs.	23.03.99	<b>W</b>	29.684
541	Sundargada	Limestone & Dolomite	M/s Jaybharat Minerals	Dahijira	72.916	30.09.2000	20Yrs	29.09.2020	<b>W</b>	0.000
542	Sundargada	Limestone & Dolomite	M/s Kainga Lime	Purnapani-Bhojpur	163.015	23.02.06	20Yrs	28.02.26	<b>W</b>	

Sl. No.	District	Name of the Mineral	Name of the Lessees	Location of the Lease	Area (Hect.)	Date of Execution	Period of Lease	Date of Expiry	Status of Working	Forest Area (hect.)
543	Sundargada	Limestone & Dolomite	M/s Konark Minerals (P) Ltd.	Kukuda-Lanjiberna	93.798	23.01.01	20 Yrs.		NW	0.000
544	Sundargada	Limestone & Dolomite	M/s M.L. Jain & Sons(P) Ltd.	Litibeda	79.752	20.02.91	10 Yrs.	19.02.01	NW	0.000
545	Sundargada	Limestone & Dolomite	M/s O.C.L. India Ltd.	Lanjiberna	893.550	01.03.90	20 Yrs.	28.02.10	<b>W</b>	62.403
546	Sundargada	Limestone & Dolomite	M/s Om Ganesh Minerals	Telighana	106.833	04.01.92	20 Yrs.	03.01.12	<b>W</b>	0.000
547	Sundargada	Limestone & Dolomite	M/s Patnaik Minerals Pvt. Ltd	Jaidega	54.530	30.01.81	20 Yrs.	29.01.01	NW	25.491
548	Sundargada	Limestone & Dolomite	M/s R.V. Enterprisers	Dharura-Katang	69.790	29.04.95	20 Yrs.	28.04.15	NW	0.000
549	Sundargada	Limestone & Dolomite	M/s R.V. Enterprisers	Litibera-Katang	54.383	17.10.95	20 Yrs.	16.10.15	<b>W</b>	0.000
550	Sundargada	Limestone & Dolomite	M/s R.V. Enterprisers	Litibeda-Kutra -Katang	164.65	13.02.06	20 Yrs.	12.02.26	<b>W</b>	
551	Sundargada	Limestone & Dolomite	M/s Radharaman Minerals	Kusumpali - Baidnathpur	64.000	12.06.03	20 Yrs.	11.06.23	<b>W</b>	0.000
552	Sundargada	Limestone & Dolomite	M/s Rasiklal & Co.	Bimta	42.148	30.11.71	20 Yrs.	29.11.91	NW	1.343
553	Sundargada	Limestone & Dolomite	M/s Rungta Sons (P) Ltd.	Jouramunda-Kulenbahal	150.000	30.06.80	20 Yrs.	02.06.2000	NW	0.000
554	Sundargada	Limestone & Dolomite	M/s Shiva Cement Ltd.	Dahijira	190.903	30.09.2000	10 Yrs.	29.09.20	NW	0.000
555	Sundargada	Limestone & Dolomite	M/s Shiva Cement Ltd.	Khatkurbahal	72.439	04.11.97	20 Yrs.	03.11.17	<b>W</b>	0.000
556	Sundargada	Limestone & Dolomite	M/s Sri Ranisati Mining Traders	Chutia-Kadalibahal	132.820	01.09.73	20 Yrs.	31.08.93	NW	12.145
557	Sundargada	Limestone & Dolomite	M/s United Minerals	Alanda	67.332	01.09.78	20 Yrs.	31.08.98	<b>W</b>	2.079
558	Sundargada	Limestone & Dolomite	R.A. Jalan	Dharura-Kukuda	573.053	21.02.74	20 Yrs.	20.02.94	<b>W</b>	0.000
559	Sundargada	Limestone & Dolomite	S. K. Agrawal	Ramabahal	42.533	29.03.07	20 Yrs.	28.03.27	<b>W</b>	0.000
560	Sundargada	Limestone & Dolomite	S.C. Padhi	Jalangabira	68.708	05.12.01	20 Yrs.	27.07.98	NW	0.000
561	Sundargada	Limestone & Dolomite	Sadasiva Tripathy	Raibega	35.869	15.12.02	20 Yrs.	26.06.15	NW	0.000
562	Sundargada	Limestone & Dolomite	Sadasiva Tripathy	Khatkurbahal	113.583	29.08.02	20 Yrs.	28.02.22	<b>W</b>	0.000
563	Sundargada	Limestone & Dolomite	Saligram Khirwal	Bonrai	163.472	24.03.84	20 Yrs.	23.3.04	<b>W</b>	4.225
564	Sundargada	Limestone & Dolomite	Sushil Kumar Mishra	Telighana & Kutra	238.486	02.02.07	20 Yrs.	01.20.27	<b>W</b>	2.602
565	Sundargada	Limestone & Dolomite	V.K. Lal	Tunmura	64.304	25.05.92	20 Yrs.	24.05.12	<b>W</b>	0.000



Sl. No.	District	Name of the Mineral	Name of the Lessees	Location of the Lease	Area (Hect.)	Date of Execution	Period of Lease	Date of Expiry	Status of Working	Forest Area (hect.)
566	Sundargada	Limestone & Dolomite	V.K. Lal	Tunmura-Jharbeda	87.906	14.01.91	10 Yrs.	13.01.01	W	0.000
567	Sundargada	Manganese Ore	K.C. Pradhan	Nuagaon	39.890	19.10.84	20 Yrs.	18.10.04	W	2.747
568	Sundargada	Manganese Ore	M/s A.M.T.C. (P) Ltd	Mahulsukha	399.839	25.02.85	20 Yrs.	24.02.05	W	340.332
569	Sundargada	Manganese Ore	M/s B.I.Co. Ltd.	Teherai	116.572	01.01.82	20 Yrs.	31.12.01	W	57.412
570	Sundargada	Manganese Ore	M/s Essel Mining & Ind. Ltd.	Sarkunda	160.900	04.12.82	20 Yrs.	03.12.02	W	158.909
571	Sundargada	Manganese Ore	M/s Feegrade &Co.	Sarkunda	148.102	20.12.80	20 Yrs.	19.12.2000	W	148.102
572	Sundargada	Manganese Ore	M/s Kanakdhara Mining & Minerals (P) Ltd.	Bandhal	28.021	14.03.02	20 Yrs.	13.03.22	W	0.000
573	Sundargada	Manganese Ore	M/s O.M. & M. (P) Ltd.	Kusumdihi	31.549	01.01.80	20 Yrs.	31.12.99	W	28.324
574	Sundargada	Manganese Ore	M/s O.M. & M. (P) Ltd.	Sanpothali	23.290	01.01.80	20 Yrs.	31.12.99	W	0.995
575	Sundargada	Manganese Ore	M/s O.M. & M. (P) Ltd.	Tentuldihi & Dengula	35.610	01.01.80	20 Yrs.	31.12.99	W	34.803
576	Sundargada	Manganese Ore	M/s O.M. & M. (P) Ltd.	Orahuri	51.476	01.01.80	20 Yrs.	31.12.99	W	32.759
577	Sundargada	Manganese Ore	M/s O.M. & M. (P) Ltd.	Patmunda	807.306	01.01.80	20 Yrs.	31.12.99	W	608.202
578	Sundargada	Manganese Ore	M/s O.M. & M. (P) Ltd.	Bhanjikusum	8.408	01.01.80	10 Yrs.	31.12.99	W	0.000
579	Sundargada	Manganese Ore	M/s Rungta Mines Ltd.	Kolmong	218.530	01.01.80	20 Yrs.	31.12.99	W	130.885
580	Sundargada	Manganese Ore	M/s Rungta Mines Ltd.	Kanthor-Koira	73.653	01.01.80	20 Yrs.	31.12.99	W	35.839
581	Sundargada	Manganese Ore	M/s Sun Alloys & Minerals (P) Ltd.	Patmunda	81.197	12.02.96	10 Yrs.	11.02.16	W	0.036
582	Sundargada	Manganese Ore	M/s Tarini Minerals	Nuagaon	7.850	26.12.80	20 Yrs.	25.12.2000	W	0.000
583	Sundargada	Manganese Ore	M/s TATA Steel Ltd.	Malda	822.000	13.08.70	20 Yrs.	12.08.90	W	239.408
584	Sundargada	Manganese Ore	S.A. Halim	Oraghat	11.485	24.09.07	20 Yrs.	23.09.27	W	0.000
585	Sundargada	Manganese Ore	S.N. Mohanty	Gonua	14.159	06.06.80	20 Yrs.	05.06.2000	W	10.271
586	Sundargada	Manganese Ore	Smt. Kabita Agrawal	Kusumdihi	47.486	28.03.84	20 Yrs.	27.03.04	NW	47.486
587	Sundargada	Manganese Ore & Bauxite	M/s B.I.Co. Ltd.	Kusumdihi	52.176	14.01.81	20 Yrs.	13.01.01	NW	27.392
588	Sundargada	Quartz	A. N. Patnaik	Barsuan	87.767	31.01.94	20 Yrs.	30.01.14	NW	0.000
589	Sundargada	Quartz	Aric Alvares	Talsera	48.111	11.08.77	20 Yrs.	10.08.97	W	0.000

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590	Sundargada	Quartz	B.D. Patnaik	Jharbeda	32.423	09.09.74	20 Yrs.	08.09.94	NW	0.000
591	Sundargada	Quartz	P.L. Sharma	Bhikampur	22.970	03.01.81	20 Yrs.	02.01.01	NW	0.000
592	Sundargada	Quartz	Smt. P. Bhanja Deo	Andheri	27.069	03.02.77	20 Yrs.	02.02.97	<b>W</b>	2.999
593	Sundargada	Quartz & Quartzite	M/s Metachem Enterprises	Soroda	14.665	28.03.05	20Yrs	27.03.25	<b>W</b>	0.000
594	Sundargada	Quartz & Silica Sand	P.D. Agrawal	Dumabahal	111.980	07.11.86	20 Yrs.	06.11.06	<b>W</b>	0.000
595	Sundargada	Quartzite	M/s J.K. & K.P. Jhunjhunwala	Kulijhar	24.167	08.7.91	20 Yrs.	07.07.11	NW	0.000
596	Sundargada	Quartzite	P.C. Mohanty	Sarkunda, Ghagari RF & Bhadarpur	35.570	27.06.77	20 Yrs.	26.06.97	NW	0.000
597	Sundargada	Sandstone	M/s O.C.L. India Ltd.	Jagatgarh	4.980	04.04.01	20 Yrs.	03.04.21	NW	0.000
598	Sundargada	Sandstone	M/s O.C.L. India Ltd.	Jagatgarh(Rasarajpur)	4.941	05.07.01	20 Yrs.	04.07.21	NW	0.000
599	Sundargada	Silica Sand	P.D. Agrawal	Sipukachar	17.446	03.06.03	20 Yrs.	02.06.23	<b>W</b>	0.000
600	Sundargada	Soapstone	J. C. Budhiraj	Bhaludungri	110.479	22.03.73	20 Yrs.	21.03.93	<b>W</b>	33.455
601	Sundargada	Soapstone	S.D. Sharma	Bhaludungri	155.935	22.11.85	20 Yrs.	21.11.05	<b>W</b>	0.000
602	Sundargada	Soapstone & Pyroxenite	M/s Indian Marble Co.	Jamirdihi	50.646	16.05.03	20 Yrs.	15.05.23	<b>W</b>	0.000

Source : Directorate of Mines

PARTICULARS OF DECORATIVE STONE QUARRY LEASE/ MINING LEASE OF THE STATE							
Sl. No.	District	Name of the Lessees	Location of the lease	Area (Hect.)	Date of Execution	Status	Period of Lease
1	Anugul	M/s Kalinga Granite	Beninati	1.052	06.04.2004	NW	10 Years
2	Anugul	M/s Kalinga Granite	Bhagirathipur	4.010	01.02.2002	W	10 Years
3	Anugul	Bramhananda Mohanty	Bhagirathipur	1.493	13.11.2002	W	10 Years
4	Baragada	Sri S P Pati	Ainlabahal	2.545	03.06.2002	W	10 Years
5	Baragada	Sri S P Pati	Dharuakhaman	1.214	09.06.2000	NW	10 Years
6	Baragada	Srhee Minining Consultancy & Industrial P Ltd	Bhagamunda	1.375	03.08.2000	NW	10 Years
7	Baragada	M/sGanapati Granite	Dharuakhaman	0.991	09.05.2000	W	10 Years
8	Baragada	M/sGanapati Granite	Dharuakhaman	0.526	08.05.2000	NW	10 Years
9	Baragada	M/s Rishav Mining (P) Ltd.	Jamutbahal	0.316	01.12.1999	NW	10 Years
10	Baragada	M/s Himalyan Granite	Jagalpat	1.214	14.10.1999	NW	10 Years
11	Baragada	M/s Heneroux India P Ltd	Jagalpat	9.647	18.10.2002	NW	10 Years
12	Balangir	M/s Vajra Granites	Gandhargola	3.440	05.07.1997	NW	10 Years
13	Balangir	M/s Touchstone Granites	Dudukasira	7.142	03.09.2001	W	10 Years
14	Balangir	M/s Sunrise Granites Ltd.	Kurlubhata	12.660	19.02.2002	W	10 Years
15	Balangir	M/s Sun Granites Exports Ltd.	Salepali	9.200	01.03.2000	W	10 Years
16	Balangir	M/s Shreeram Minerals (P) Ltd.	Gandhargola	34.135	20.03.2002	W	10 Years
17	Balangir	M/s Sanmugha Granite Industries (p) Ltd	Ghagruli	18.939	09.01.2001	NW	10 Years
18	Balangir	M/s Rishav Mining (P) Ltd.	Dangarpada	4.047	11.05.1999	W	10 Years
19	Balangir	M/s Rishav Mining (P) Ltd.	Dangarpada	4.047	06.09.1999	W	10 Years

Sl. No.	District	Name of the Lessees	Location of the lease	Area (Hect.)	Date of Execution	Status	Period of Lease
20	Balangir	M/s Rishav Mining (P) Ltd.	Gandhargola	13.193	16.12.1999	NW	10 Years
21	Balangir	M/s ORIND Overseas Ltd.	Gandhargola	4.614	08.08.2000	W	10 Years
22	Balangir	M/s ORIND Overseas Ltd.	Gandhargola	6.778	08.08.2000	W	10 Years
23	Balangir	M/s New Laxmi Granites	Kurlubhata	10.615	08.08.2001	W	10 Years
24	Balangir	M/s Medley Minerals India Ltd.	Gandhargola	29.744	31.05.2003	W	10 Years
25	Balangir	M/s Medley Minerals India Ltd.	Gandhargola	5.799	25.07.1995	W	10 Years
26	Balangir	M/s Medley Minerals India Ltd.	Gandhargola	9.919	26.03.1998	W	10 Years
27	Balangir	M/s Kanakdhara Mining & Minerals	Dehelim	26.216	16.02.2001	NW	10 Years
28	Balangir	M/s Kamadgiri Polyspine	Kurlubhata	5.665	16.04.1996	NW	10 Years
29	Balangir	M/s Kamadgiri Polyspine	Kurlubhata	17.676	20.07.2000	NW	10 Years
30	Balangir	Balaram Sahu	Dangarpada	11.420	16.03.1998	W	10 Years
31	Balangir	Balaram Sahu	Darlipali	0.809	24.05.1996	W	10 Years
32	Balangir	Balaram Sahu	Khaliapada	22.525	16.03.1998	W	10 Years
33	Balangir	Balaram Sahu	Kusakela	12.040	16.03.1998	NW	10 Years
34	Balangir	Ananda Kumar Sahu	Kusakela	3.237	24.03.2001	NW	10 Years
35	Balangir	Ananda Kumar Sahu	Kuskela	27.733	14.07.2000	W	10 Years
36	Boudh	S.R. Asaithamibi	Kharabhuinjungle	45.494		W	10 Years
37	Boudh	M/s Sanmugha Granite Industries (p) Ltd	Kurumpadar	1.728	11.09.2000	NW	10 Years
38	Kataka	M/s O.M.C. Ltd.	Sagara	11.392	21.10.1995	NW	10 Years
39	Dhenkanal	Rajkumar Sahoo	Badalinposi	2.329	06.11.2002	W	10 Years
40	Gajapati	Y Rajani	Barlanada	5.018	31.07.2004	W	10 Years
41	Gajapati	Sri T Vishnu Murty	Jagannathpur	23.027	21.05.2005	W	20 Years

Sl. No.	District	Name of the Lessees	Location of the lease	Area (Hect.)	Date of Execution	Status	Period of Lease
42	Gajapati	Sri Abhiram Sahu	Tumbagaon	3.864	31.03.2005	W	20 Years
43	Gajapati	Sri Abhiram Sahu	Tumbagaon	11.631	31.03.2005	W	20 Years
44	Gajapati	Smt S Sahu	Anarada	1.659	11.10.2002	NW	10 Years
45	Gajapati	Smt S Sahu	Lagu	42.455	13.11.2002	NW	10 Years
46	Gajapati	Sati Ku Panigragi	Kainpur	18.097	05.07.2004	W	10 Years
47	Gajapati	Sati Ku Panigragi	Kainpur	20.202	05.07.2004	W	10 Years
48	Gajapati	Sankar Panigrahi	Balajipur	6.931	23.12.2004	W	10 Years
49	Gajapati	Sankar Panigrahi	G Matu Hil	18.441	30.03.2005	W	20 Years
50	Gajapati	Rasmi Jain	Buguda	1.473	04.10.2002	W	10 Years
51	Gajapati	Rasmi Jain	R Sitapur	8.089	25.10.2000	W	10 Years
52	Gajapati	M/s New Laxmi Granites	Parsurampur	49.922	24.03.2005	W	20 Years
53	Gajapati	M Mukunda Rao	Jagnathpur	8.801	30.07.1996	NW	10 Years
54	Gajapati	M Mukunda Rao	Sanadeula	8.850	24.08.1996	NW	10 Years
55	Gajapati	D Srinivas	Lugu	27.559	08.09.2000	W	10 Years
56	Gajapati	Bhagirathi Panigrahi	Maringi	3.100	23.12.2004	NW	10 Years
57	Gajapati	Bhagirathi Panigrahi	Maringi	3.48	09.06.2005	NW	20 Years
58	Gajapati	Abhiram Sahu	Kainpur	2.076	30.12.2003	W	10 Years
59	Ganjam	U. K. Mohapatra	Bendalia	0.680		W	20 Years
60	Ganjam	Sri Samar Das	Mohughara Hill	13.901	11.07.2005	W	20 Years
61	Ganjam	Sri S K Mahapatra	Chikiti bit -II	13.832	17.03.2005	W	20 Years
62	Ganjam	Sri B P Pattnaik	Bendalia	5.184	13.02.2000	W	10 Years
63	Ganjam	Sri A N Bakshi	Bhagabanpur	40.198	06.05.2000	W	10 Years
64	Ganjam	Smt S K Devi	Bendalia	6.03	10.06.2002	W	10 Years
65	Ganjam	Smt S K Devi	Bendalia	2.845	18.07.2001	W	10 Years
66	Ganjam	Smt S K Devi	Mahuda	5.320	18.07.2001	W	10 Years
67	Ganjam	Sivanada K B	Kumbhajhari	11.036	10.10.1996	NW	10 Years
68	Ganjam	Shanmugha Granites	Badadumula	1.368	30.06.2000	NW	10 Years
69	Ganjam	Shanmugha Granites	Sanadumula	10.572	30.06.2000	NW	10 Years

Sl. No.	District	Name of the Lessees	Location of the lease	Area (Hect.)	Date of Execution	Status	Period of Lease
70	Ganjam	Shakti Granites	Mohughara Hill	1.265	01.09.1999	NW	10 Years
71	Ganjam	Santosh Ku Mohanty	Mohughara Hill	10.162	08.12.2000	NW	10 Years
72	Ganjam	S K Mohapatra	Parbatipur	3.691	16.07.2004	NW	10 Years
73	Ganjam	Rock Edges (p) Ltd	Nunighara	4.006	25.09.2004	W	10 Years
74	Ganjam	Rishab Mining (p) Ltd	Lanka	0.765	27.08.2002	NW	10 Years
75	Ganjam	Pavillion Granites	Tutipur	1.339	26.07.2004	W	10 Years
76	Ganjam	Narmada Enterprises	Bhagabanpur	1.135	31.01.1999	W	10 Years
77	Ganjam	Narmada Enterprises	Ralaba	11.684	12.06.2001	NW	10 Years
78	Ganjam	N K Mohapatro	Mohughara Hill	10.283	07.09.2001	NW	10 Years
79	Ganjam	M/sSun Granites Exports (p) Ltd	Sinkulibali	22.250	20.05.1996	NW	10 Years
80	Ganjam	M/s Oriental Trimex Ltd.	Pali	15.443	19.4.06	W	20 Years
81	Ganjam	M/s O M C Ltd	Math Berhampur	20.050	20.06.1998	NW	10 Years
82	Ganjam	M/s Gem Granites (P) Ltd.	Khumbhajhari	13.982	25.03.2002	W	10 Years
83	Ganjam	M/s Galaxy Entreprises	Khambarigaon	1.513		W	20 Years
84	Ganjam	M/s Amarjyoti Granites (I) P Ltd	Bhagabanpur	31.808	17.01.1996	W	10 Years
85	Ganjam	M/s Ajax Petro	Badadumula	74.807	29.03.2000	W	10 Years
86	Ganjam	M/s Ajax Petro	Bhagabanpur	10.368	25.01.2000	W	10 Years
87	Ganjam	M/s Ajax Petro	Chandinia	8.404	29.03.2000	W	10 Years
88	Ganjam	M/s Ajax Petro	Dakhinpur	8.640	21.02.2000	W	10 Years
89	Ganjam	M/s Ajax Petro	Dakhinpur	8.964	21.02.2000	W	10 Years
90	Ganjam	M/s Ajax Petro	Karapada	13.962	29.03.2000	W	10 Years
91	Ganjam	M A Wasim	Mohughara Hill	2.259	20.10.2000	W	10 Years
92	Ganjam	M /s Ajax Petro	Kumbhajhari	13.538	24.02.2000	NW	10 Years
93	Ganjam	K P V Industries	Chikiti bit -II	6.452	18.04.1996	NW	10 Years
94	Ganjam	I Ahmadkhan	Lakamari	4.178	27.05.2000	NW	10 Years

Sl. No.	District	Name of the Lessees	Location of the lease	Area (Hect.)	Date of Execution	Status	Period of Lease
95	Ganjam	Grapco Granites	Chakotentuli	1.172	24.11.1995	NW	10 Years
96	Ganjam	Bhimsen Nanda	Bhagabanpur	2.124	23.03.2005	W	20 Years
97	Ganjam	Bhaskar Pati	Andharikota	11.479	20.05.1998	NW	10 Years
98	Ganjam	Babita Patro	Buduka	1.662	27.08.2001	NW	10 Years
99	Ganjam	B P Granites	Banamalipur	7.890	01.01.1997	NW	10 Years
100	Ganjam	Awe Rock Edges (p) Ltd	Madhapur	18.870	01.07.2005	NW	20 Years
101	Ganjam	Asha Malatkar	Ramanaguda	20.740	01.01.1997	NW	10 Years
102	Ganjam	A N Bakshi	Matajhari	0.546	01.01.2001	NW	10 Years
103	Kalahandi	Sri H.K. Patnaik	Naupada	8.575	16.08.2002	W	10 Years
104	Kalahandi	Sri Ch. S.S. Rao	Bargaon	3.691	25.04.1998	NW	10 Years
105	Kalahandi	Sri Balaram Sahu	Phapsi	1.046	30.04.1999	NW	10 Years
106	Kalahandi	M/s Sun Granites Exports Ltd.	Loharadabri	5.929	03.11.1998	W	10 Years
107	Kalahandi	M/s O.M.C. Ltd.	Kasibahal	29.846	05.12.1995	NW	10 Years
108	Kalahandi	M/s Narmada Enterprises	Bargaon	8.276	04.01.2001	NW	10 Years
109	Kalahandi	M/s Narmada Enterprises	Chandanpur	9.931	05.07.2000	NW	10 Years
110	Kalahandi	M/s Gem Granites (P) Ltd.	Bargaon	3.343	09.10.1998	W	10 Years
111	Kendujhar	Sri Saurendranath Moharana	Khadikapada	4.306	18.05.2004	W	10 Years
112	Kendujhar	Sri Jadabananda Mohaptra	Dhrupada	8.903	27.11.1995	W	10 Years
113	Kendujhar	M/s Suman Granites & Marbal	Johneiposi	7.080	17.12.2004	NW	10 Years
114	Kendujhar	M/s O M C Ltd	Nangalkanti	3.338	24.04.2000	NW	10 Years

Sl. No.	District	Name of the Lessees	Location of the lease	Area (Hect.)	Date of Execution	Status	Period of Lease
115	Kendujhar	M/s Happy Granites India P Ltd	Baiganpal	0.7365	6.12.2003	NW	10 Years
116	Kendujhar	M/s Frontier granites Export(p) Ltd	Raisuan	2.161	31.01.2004	W	10 Years
117	Khurda	Smy. G.D. Agrawal	Berhampur	7.292	24.05.1997	NW	10 Years
118	Khurda	M/s Om Marbles	Palatotapada	6.669	12.09.2000	NW	10 Years
119	Khurda	M/s Midwest Granites	Samantasinghpur	5.439	28.01.1999	W	10 Years
120	Koraput	Sri Roop Kumar Nayak	Mirichimal	13.153	11.04.2005	W	20 Years
121	Koraput	Sri P. K. Srivastav	Bargaon	2.185	19.04.2002	W	10 Years
122	Koraput	Sri Binod Mohapatra	Padampur	1.902	02.02.1994	NW	10 Years
123	Koraput	Smt. Vinita Ramchand	Desarikharguda	2.023	02.09.1995	W	10 Years
124	Koraput	Smt. Vinita Ramchand	Desarikharguda	2.023	02.09.1995	W	10 Years
125	Koraput	Smt. E. Laxmi	Bargaon	4.135	13.4.05	W	20 Years
126	Koraput	M/s Vishnu Granphyre (P) Ltd.	Chandrapada	1.558	20.05.2000	W	10 Years
127	Koraput	M/s Vishnu Granphyre (P) Ltd.	Girigaon	1.044	10.12.1999	W	10 Years
128	Koraput	M/s Vishnu Granphyre (P) Ltd.	Girigaon	1.266	10.12.1999	W	10 Years
129	Koraput	M/s Vishnu Granphyre (P) Ltd.	Girigaon	1.867	10.12.1999	W	10 Years
130	Koraput	M/s Vishnu Granphyre (P) Ltd.	Girigaon	3.197	10.12.1999	W	10 Years
131	Koraput	M/s TRIS Mining (P) Ltd.	Chandrapada	3.035		W	20 Years
132	Koraput	M/s TRIS Mining (P) Ltd.	Telrai	29.566		W	20 Years
133	Koraput	M/s Pasupati Stone Exports	Garpur	1.141	08.12.1999	NW	10 Years



Sl. No.	District	Name of the Lessees	Location of the lease	Area (Hect.)	Date of Execution	Status	Period of Lease
134	Koraput	M/s Pasupati Stone Exports	Garput	2.420	07.05.2002	NW	10 Years
135	Koraput	M/s Pasupati Stone Exports	Khembeda	1.214	29.09.2000	NW	10 Years
136	Koraput	M/s O.M.C. Ltd.	Bichalkota	15.175	01.11.1995	NW	10 Years
137	Koraput	M/s O.M.C. Ltd.	Gangarajpur	23.366	18.01.1994	NW	10 Years
138	Koraput	M/s O.M.C. Ltd.	Santoshpur	4.516	26.04.2000	NW	10 Years
139	Koraput	M/s Horizon Minerals	Kumuli	1.113	02.03.2000	NW	10 Years
140	Koraput	M/s Galaxy Rockmin (P) Ltd.	Kuruli	36.171	08.12.2004	W	20 Years
141	Koraput	M/s Galaxy Rockmin (P) Ltd.	Sorada	1.294	11.02.2005	W	20 Years
142	Koraput	A.M. Shankar	Mahulput	111.126	27.10.1995	W	10 Years
143	Koraput	A.M. Raghunath	Khembeda	4.197	25.04.1996	W	10 Years
144	Malkangiri	Sri A.K. Malhotra	Nalagunti	20.857	21.06.1995	NW	10 Years
145	Malkangiri	Sri A.K. Malhotra	Padakanda	9.190	21.06.1995	NW	10 Years
146	Malkangiri	P. Vengalrao	Peta	4.917	01.01.2004	W	10 Years
147	Mayurbhanj	Smt. Sudhamayee Das	Nuagaon	2.133	08.03.2000	NW	10 Years
148	Mayurbhanj	M/s Oriental Trimex Ltd.	Junghia-Badadalima	2.792			10 Years
149	Mayurbhanj	M/s Garnet Granites Ltd.	Hensaldihi	2.752	15.09.2000	NW	10 Years
150	Nabarangapur	Sri T.S. Khurana	Udayapur	16.867	12.08.1997	NW	10 Years
151	Nabarangapur	Sri Rakesh Bajpai	Badasiriguda	0.951	16.05.2001	NW	10 Years
152	Nabarangapur	M/s Vishnu Granphyre (P) Ltd.	Kodabhata	5.936	25.09.1998	NW	10 Years
153	Nabarangapur	M/s Vishnu Granphyre (P) Ltd.	Kodabhata	3.994	27.07.2001	NW	10 Years
154	Nabarangapur	M/s Horizon Minerals	Khuntiguda	0.405	25.05.2000	NW	10 Years

Sl. No.	District	Name of the Lessees	Location of the lease	Area (Hect.)	Date of Execution	Status	Period of Lease
155	Nabarangapur	M/s Ganapati Exports	Phampuni	9.360	21.06.2001	NW	10 Years
156	Nayagada	Sri V. K. Sundaram	Nachhipur	4.400	08.02.2001	NW	10 Years
157	Nayagada	Sri P. Ramaswami	Dimiritadi	4.072	10.11.2000	NW	10 Years
158	Nayagada	Sri P. Ramaswami	Gobardhanpur	10.456	18.02.1999	NW	10 Years
159	Nayagada	Sri Hadibandhu Paramaguru	Banigochha	0.664	04.04.2002	NW	10 Years
160	Nayagada	Sri Hadibandhu Paramaguru	Bhatagada	14.842	05.03.2003	W	10 Years
161	Nayagada	Smt. Annapurna Panda	Khaira-Pankapalla	37.191	29.02.1995	NW	10 Years
162	Nayagada	M/s O.M.C. Ltd.	Bedaki	6.636	04.01.2003	W	10 Years
163	Nayagada	M/s O.M.C. Ltd.	Jharana	72.123	06.10.1994	NW	10 Years
164	Nuapada	Sri Bijoy Agrawal	Kalmidadar	63.360	05.01.2001	NW	10 Years
165	Nuapada	Sri B.P. Agrawal	Rishigaon	5.293	25.07.1996	NW	10 Years
166	Nuapada	Sri Ashish Goyal	Supali	62.840	05.01.2001	NW	10 Years
167	Nuapada	M/s Designer Rocks (P) Ltd.	Modosil	17.665	27.10.1999	NW	10 Years
168	Nuapada	M/s Abanti Granites (P) Ltd.	Chanabada	16.017	05.01.2001	W	10 Years
169	Nuapada	M/s Abanti Granites (P) Ltd.	Gordhapadar	121.167	07.09.2000	NW	10 Years
170	Rayagada	Sri P. Apparao	Arei	3.318	29.09.1999	NW	10 Years
171	Rayagada	M/s Stone field	Basingagorja	2.428		W	20 Years
172	Rayagada	M/s Seshasindhu Granites	Tedilguda	12.674	30.01.2002	NW	10 Years
173	Rayagada	M/s Rishav Mining (P) Ltd.	Tedilguda	11.083	25.05.2001	NW	10 Years
174	Sambalpur	Md Firoz Khan	Jujumura	1.355	06.08.2004	W	10 Years
175	Sambalpur	Md Firoz Khan	Jujumura	1.800	06.08.2004	W	10 Years
176	Subarnapur	M/s Touchstone Granites	Ludriamunda	3.245	07.12.2001	NW	10 Years

Source : Directorate of Mines

PRODUCTION, DESPACH, DESPACH FOR EXPORT OF ORES/MINERALS IN THE STATE (Quantity in Tonnes)									
Sl. No.	Ore/ Minerals	2003-04				2004-05			
		Production	Despach			Production	Despach		
			Internal	Export	Total		Internal	Export	Total
1	Asbestos	0	0	0	0	0	0	0	0
2	Bauxite	4938071	4930663	0	4930663	4911739	4914654	0	4914654
3	Chinaclay	5115	3766	0	3766	11111	7454	0	7454
4	Chromite	2879676	1661274	1001221	2662495	3423387	2154671	910130	3064801
5	Coal	60201302	59620273	0	59620273	66814753	65355120	0	65355120
6	Dolomite	1270951	1248486	0	1248486	1360344	1351759	0	1351759
7	Fireclay	59959	42512	0	42512	162042	153305	0	153305
8	Galena	0	0	0	0	0	0	0	0
9	Graphite	34366	35450	0	35450	43536	39296	0	39296
10	Ironore	34888125	32214917	878058	33092975	46063158	29571011	9996673	39567684
11	Kyanite	14	104	0	104	173	105	0	105
12	Leadore	0	0	0	0	0	0	0	0
13	Limestone	2241130	2021680	0	2021680	2263247	2183733	0	2183733
14	Mn. Ore	698354	677704	20624	698328	1076923	813567	0	813567
15	Min. Sand	230349	33548	275587	309135	268781	40925	307900	348825
16	Pyrophyllite	84046	33346	0	33346	32237	29101	0	29101
17	Pyroxenite	202028	150740	0	150740	219143	228858	0	228858
18	Quartz	24734	23929	0	23929	22310	20485	0	20485
19	Quartzite	96808	78300	0	78300	116345	104919	0	104919
20	Sand(Stow)	150195	150195	0	150195	232354	232354	0	232354
21	Serpentinite	2428	138	0	138	129	2422	0	2422
22	Silica Sand	18000	18702	0	18702	19000	19743	0	19743
23	Soapstone	4393	5127	0	5127	9677	9696	0	9696
24	Magnetite	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>108030044</b>	<b>102950854</b>	<b>2175490</b>	<b>105126344</b>	<b>127050389</b>	<b>107233178</b>	<b>11214703</b>	<b>118447881</b>
25	Gemstone	915.388 kg	241.000 kg		241.000 kg	1716.101 kg	745.44 kg		745.44 kg

Sl. No.	Ore/ Minerals	2005-06				2006-07			
		Production	Despatch			Production	Despatch		
			Internal	Export	Total		Internal	Export	Total
1	Asbestos	0	0	0	0	0	0	0	0
2	Bauxite	4870604	4875402	0	4875402	4667508	4637496	0	4637496
3	Chinaclay	8548	11087	0	11087	18211	12024	0	12024
4	Chromite	3290520	1992988	1115821	3108809	3722633	2490793	1170911	3661704
5	Coal	70548315		0	68928845	81281053	79030523	0	79030523
6	Dolomite	1407971	1373906	0	1373906	1566192	1575836	0	1575836
7	Fireclay	109369	115677	0	115677	98912	90922	0	90922
8	Galena	0	0	0	0	0	0	0	0
9	Graphite	31781	48872	0	48872	67027	48626	0	48626
10	Ironore	55495092	35645910	14772431	50418341	65886005	44441710	17040731	61482441
11	Kyanite	364	455	0	455	83	0	0	0
12	Leadore	0	0	0	0	0	0	0	0
13	Limestone	2609469	1814237	0	1814237	2687851	2729544	0	2729544
14	Mn. Ore	616689	651625	0	651625	730480	875720	0	875720
15	Min. Sand	273285	40648	233942	274590	241976	51589	203791	255380
16	Pyrophyllite	17629	20021	0	20021	16390	25387	0	25387
17	Pyroxenite	275660	256688	0	256688	221455	229450	0	229450
18	Quartz	47891	45839	0	45839	49512	53667	2122	55789
19	Quartzite	139875	135054	0	135054	125613	132968	0	132968
20	Sand(Stow)	23549	23549	0	23549	45659	45659	0	45659
21	Serpentinite	659	213	0	213	81	305	0	305
22	Silica Sand	21660	21145	0	21145	18069	17316	0	17316
23	Soapstone	12697	12088	0	12088	6415	6816	0	6816
24	Magnetite	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>139801627</b>	<b>47085404</b>	<b>16122194</b>	<b>132136443</b>	<b>161451125</b>	<b>136496351</b>	<b>18417555</b>	<b>154913906</b>
25	Gemstone	694.600 kg	256.710 kg		256.710 kg	133.235 kg	235 kg	0	235 kg

Sl. No.	Ore/ Minerals	2007-08				2008-09			
		Production	Despatch			Production	Despatch		
			Internal	Export	Total		Internal	Export	Total
1	Asbestos	0	0	0	0	0	0	0	0
2	Bauxite	4685998	4692954	0	4692954	4734529	4732803	0	4732803
3	Chinaclay	9481	13356	0	13356	7146	9829	0	9829
4	Chromite	3284100	2734361	793241	3527602	2794392	2178313	541062	2719375
5	Coal	89686365	85108325	0	85108325	97786646	93626445	0	93626445
6	Dolomite	1779874	1759791	0	1759791	1531186	1456326	0	1456326
7	Fireclay	82030	76665	0	76665	82802	81124	0	81124
8	Galena	0	0	0	0	0	0	0	0
9	Graphite	65948	60443	0	60443	64047	57991	0	57991
10	Ironore	74504876	50231325	20052759	70284084	77195160	53897510	16350642	70248152
11	Kyanite	268	616	0	616	3304	3376	0	3376
12	Leadore	0	0	0	0	0	0	0	0
13	Limestone	2831460	2815650	0	2815650	3071180	2923930	0	2923930
14	Mn. Ore	706207	748238	0	748238	950659	843528	0	843528
15	Min. Sand	238303	47719	196568	244287	239093	44903	108592	153495
16	Pyrophyllite	13858	15857	0	15857	22997	27334	0	27334
17	Pyroxenite	241605	236584	0	236584	231366	226510	0	226510
18	Quartz	85524	77213	1364	78577	63901	69061	0	69061
19	Quartzite	206093	195280	0	195280	178438	181586	0	181586
20	Sand(Stow)	155126	155126	0	155126	134011	134011	0	134011
21	Serpentinite	49	1181	0	1181	29	519	0	519
22	Silica Sand	1596	2088	0	2088	4500	6466	0	6466
23	Soapstone	3243	7004	0	7004	4	1642	0	1642
24	Magnetite	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>178582004</b>	<b>148979776</b>	<b>21043932</b>	<b>170023708</b>	<b>189095390</b>	<b>160503207</b>	<b>17000296</b>	<b>177503503</b>
25	Gemstone	160.3 kg	140 kg	0	140 kg	365.1 kg	119.4 kg	0	119.4 kg

Source : Directorate of Mines

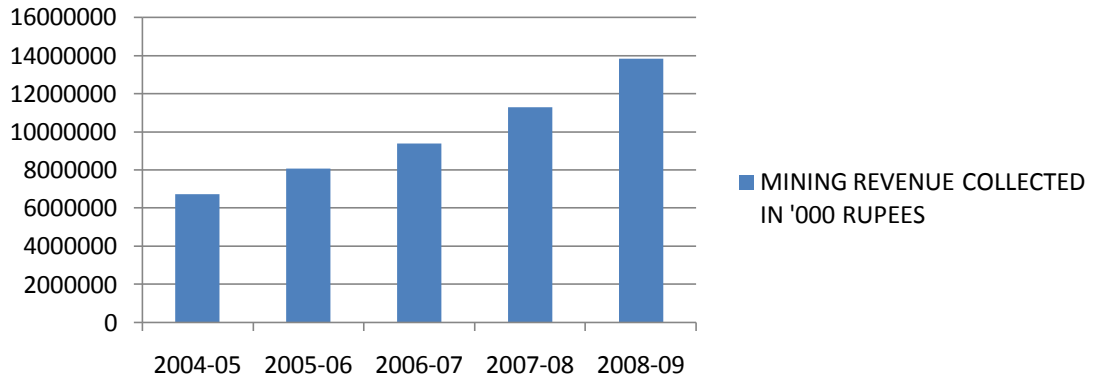
## MINERAL-WISE COLLECTION OF MINING REVENUE DURING LAST FIVE YEARS IN THOUSAND RUPEES

	Ore / Mineral	2004-05	2005-06	2006-07	2007-08	2008-09
1	Asbestos	17	5	39	17	0
2	Bauxite	290498	375671	501288	383947	391522
3	Chinaclay	1007	1007	915	1300	743
4	Chromite	440321	838155	1113411	1178358	2073550
5	Coal	4419244	4601282	5160813	6346116	7851907
6	Dolomite	50323	61229	73544	95580	90312
7	Fireclay	3091	4284	4254	3248	4418
8	Gemstone	319	249	64	815	391
9	Graphite	2663	3483	3690	6916	4606
10	Iron ore	728504	755807	1277998	1459426	1498362
11	Kyanite	18	177	0	124	256
12	Lead ore	0	0	0	35	0
13	Limestone	103548	157716	116830	129592	120928
14	Mica	0	0	0	166	0
15	Mn. Ore	111790	77985	76326	67519	102902
16	Min. Sand	25891	17085	18484	18358	36874
17	Pyrophyllite	591	619	911	997	1827
18	Pyroxenite	9154	10268	13292	8861	14320
19	Quartz	476	995	1786	1356	4742
20	Quartzite	1732	2586	2890	1936	772
21	Sand(Stow)	605	174	195	417	493
22	Serpentinite	55	59	17	76	0
23	Silica Sand	279	438	399	235	216
24	Soapstone	554	418	547	87	218
25	Magnesite	0	0	0	0	0
26	Columbite & Tantalite	7	0	8	0	10

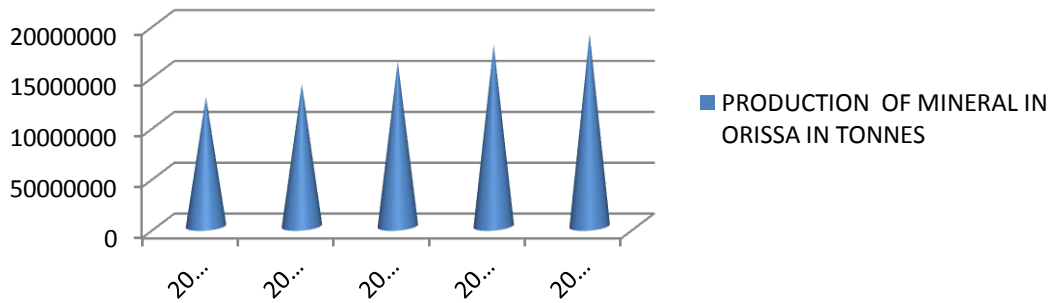
Sl. No.	Ore / Mineral	2004-05	2005-06	2006-07	2007-08	2008-09
27	Chinaclay & Fireclay	0	0	0	0	0
28	Quartz & Silica Sand	0	0	0	0	0
29	Qtz. & Qtzite	19	759	0	2927	0
30	Tin Ore	9	0	14	0	0
31	Atomic Minerals		6	0	0	0
32	Iron & Manganese	0	257030	0	0	0
33	Talc	0	12	0	0	0
34	Minor Mineral	445489	585926	853128	1071934	1425928
35	Other Receipts	68896	296588	144706	480593	180632
	<b>Total</b>	<b>6705100</b>	<b>8050013</b>	<b>9365549</b>	<b>11260936</b>	<b>13805929</b>

Source : Directorate of Mines

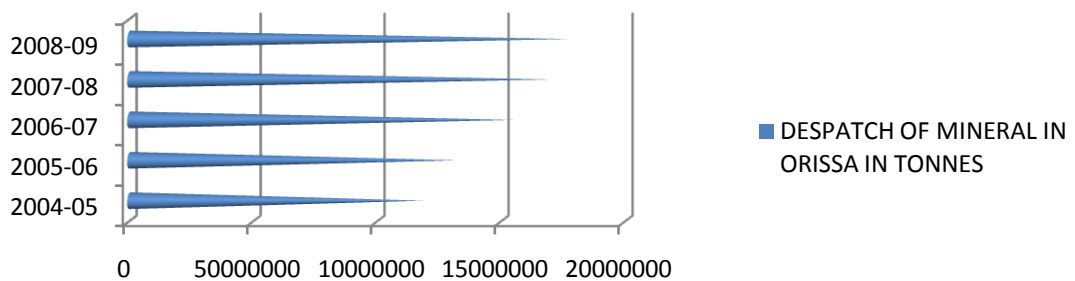
### MINING REVENUE COLLECTED IN '000 RUPEES



### PRODUCTION OF MINERAL IN ORISSA IN TONNES



### DESPATCH OF MINERAL IN ORISSA IN TONNES





**LIST OF MINERAL BASED INDUSTRIES IN THE STATE****LARGE AND MEDIUM SCALE INDUSTRIES**

<b>Name of the Industry</b>	<b>District</b>	<b>Product</b>
Indian Metals and Ferro Alloys Ltd.(CPP Unit) At- Choudwar	Kataka	Power
NALCO (CPP) Nalco Nagar	Anugul	Power
Hindalco Industries Ltd Hirakud	Sambalpur	Alluminium
Hindalco Industries Ltd P.B. NO.12 Hirakud	Sambalpur	Power
OCL India Ltd (Cement Unit) Rajgangpur	Sundargada	Cement
Nava Bharat Ventures Ltd Kharagaprasad, Mermundali	Dhenkanal	Power
Chariot Cement Ltd Unit-II) Industrial Estate, Kalunga	Sundargada	Cement
NALCO Smelter Nalco Nagar	Anugul	Alluminium
IB Thermal Power Station	Sambalpur	Power
Ultratech Cement Arda, Jharsuguda	Jharsuguda	Cement
Thalcher Thermal Power Station (TTPS) (NTPC) Talcher	Anugul	Power
Nilachal Ispat Nigam Ltd Duburi	Jajpur	Iron & Steel
Visa Steel Ltd Kalinganagar Industrial Estate	Jajpur	Pig Iron & Lime Coke
Shiva Cement Ltd Kutra	Sundargada	Cement
Golcha Pigment (P) Ltd S-3,97 & 98 Kalunga Industrial Estate,	Sundargada	Pigment
Thalcher Super Thermal Power Project(NTPC), Kaniha	Anugul	Power
Rourkela Steel Plant, Rourkela	Sundargada	Steel
Baragada Cement Works (ACC)	Baragada	Cement
NTPC, SAIL, Power Company Ltd, Rourkela	Sundargada	Power
Toshali Cement (P) Ltd Ampavalli, Sunki	Koraput	Cement
K.G.N. Cement (P) Ltd Mandiakudar Po-Kansbahal	Sundargada	Cement
Meadeast Integrated Steel (P) Ltd Khurunti, Danagadi	Jajpur	Integrated Steel
RSP C.P.P Rourkela	Sundargada	Power

Sita Cement (Sundargada) Telighana, Kutra	Sundargada	Cement
Sushila Cement (P) Ltd.	Sundargada	Cement
Jindal Stainless (CPP)Loidapada	Jajpur	Power
Kapilash Cement Works of M/s Ocl India Ltd, Biswali, Barunia	Kataka	Cement
Vedanta Alluminium Ltd. At- Bhurkhamunda	Jharsugada.	Alluminium & Power
Annuja Ceramics	Khurda	Ceramic Product
Essar Steel	Jajpur	C L O & Ore Fines
FACOR	Bhadrak	Ferro Alloys
Ferro Alloys Plant, TISCO, Bamanipal,	Kendujhar	Charge Chrome
Ferro Manganese. Plant, TISCO, Joda	Kendujhar	Ferro Alloys
G.K.W Ltd. (Powmex Steel Ltd.)	Balangir	Steel & Alloyed Steel
Hiranya Garva China Clay & Mineral (P) Ltd.	Mayurbhanj	Benefication (China clay)
I.B.Industry Ltd.	Dhenkanal	Coke
I.B.P. Co. Ltd.	Anugul	Explosive
I.B.P.Co.Ltd.	Jharsuguda	Explosive
I.C.C.L (CPP)	Kataka	Ferro Alloys
I.F.G.L. Refractory (Unit-I&Unit-II)	Sundargada	Refractories
I.R.E (OSCOM)	Ganjam	Synthetic Rutile, Pure Zirconia, Zirfloor
Idcol Ferro Chrome Plant	Jajpur	Ferro Alloys
IDL Industries Ltd.	Sundargada	Explosive
IMFA (F-1, F-2& F-3)	Rayagada	Ferro Alloys
Indian Explosive Ltd.	Anugul	Explosive
Indian Explosive Ltd.	Sundargada	Explosive
Indo Gulf Industries Ltd.	Anugul	Explosive
IPI Steel Ltd. (F-I & II)	Dhenkanal	Rerolling
Ispat Alloys Ltd.- F-1, F-2,F-3,F-4, F-5	Baleswar	Ferro Alloys
Ispat Chrome Ltd.	Baleswar	Chrome Briquetting
Jaimata Ambe Steels (P) Ltd.	Sundargada	Casting
Jeypore Sugar Company Ltd. (Ferro Mn. Plant)	Rayagada	Ferro Alloys
Kalinga Iron Works	Kendujhar	Pig iron
Konark Met Coke Ltd.	Kataka	Coke
Kripal Alloys Steel (P) Ltd.	Baragada	Auto Components
Kripal Spring (P) Ltd.	Baragada	Auto components
Kumar Ceramics (P) Ltd.	Baleswar	Refractory Products
Magentic India Ltd.	Khurda	Hard Ferrite
Mahanadi metals & Chemicals (P) Ltd.	Sundargada	Explosive
Manisri Refractories & Ceramics	Kataka	Refractory Products
NALCO Ltd. (Pilot Plant)	Koraput	Special grade Aluminium
NALCO Ltd. (Refinery Unit)	Koraput	Aluminium Refinery
NALCO Ltd. (Zeolite)	Koraput	Zeolite
Nave Bharat Ferro Alloys Ltd. (F- I & II)	Dhenkanal	Ferro Alloys
Nilachal Refractories Ltd.	Dhenkanal	Refractory Products
OCL (Refractory Unit)	Sundargada	Refractory Products
Ordnance Factory	Balangir	Explosive
Orissa Explosives (P) Ltd.	Sundargada	Explosive
Orissa Industries Ltd.	Sundargada	Refractory Bricks
Orissa Industry Ltd. (Barang)	Kataka	Refractory Bricks
Padma Engineers (P) Ltd.	Jharsuguda	Galvanised Steels
Paradeep Carbons Ltd.	Jagatsinghpur	Petroleum Coke

Passary Minerals Ltd.	Sundargada	Refractories Raw Material
Pyramid Coke Industries (P) Ltd.	Jajpur	Coke
Refcem Pvt. Ltd.	Khurda	White Cement
Rourkela Minerals Company (P) Ltd.	Sundargada	Bauxite Powder
S.L.M.Metals	Sundargada	Copper, Iron & Bronze Powder
Shiva Refractories & Ceramics Ltd.	Sundargada	Refractory materials
Sri Jagannath Combine Coke	Kataka	Coke
Sri Mahavir Carbon Ltd.	Kataka	Coke
TRL (Refractory Unit)	Jharsuguda	Refractory products
Utkal Asbestos Ltd.	Dhenkanal	asbestos
Utkal Galvanisers (P) Ltd., Kapursingh	Kataka	Fabrication, galvanizing
Utkal Graphites (P) Ltd.	Rayagada	Benification of Graphite ore
Utkal Mounders Ltd.	Kendujhar	Coke
Visa Industries Ltd.	Jajpur	Benification Chrome Ore
Wellman incandescent India Ltd.	Kataka	Coke

*Source : Orissa State pollution Control Board*

## LIST OF SPONGE IRON PLANTS OPERATING IN THE STATE OF ORISSA

Sl. No.	Name & Location	DRI Kiln No/ Capacity in TPD
<b>SUNDARGADA DISTRICT (47 nos)</b>		
1.	Adhunik Metalics Ltd. (previously Neepaz Metalicks Ltd.) Vill-Chadri Hariharpur, Kuarmunda	5X100
2.	Agrasen Sponge (P) Ltd, Mandiakudar	3X50
3.	B.R. Sponge & Power Ltd., Tumkela, Rajamunda	2X100
4.	Thakur Prasad Sao & Sons (P) Ltd. (Formerly known as Bajrang Ispat (P) Ltd), Kuanrmunda	2X40+2x100
5.	Bhasker steel and ferro Alloys Ltd, Bonai	1x300
6.	Govindam Project Ltd., Kalosihira, Kuarmunda	2X100
7.	Jagannath Sponge (P) Ltd, Kuanrmunda,	1X50
8.	Jai Balaji Jyoti Steels Ltd., Tainser, Lathikata,	4X100
9.	Jay Iron & Steels Ltd., Balanda, Sundargada	2X100
10.	Kalinga Sponge Iron Ltd., Kalunga I.E	2X100
11.	Neepaz Metalicks (P) Ltd, Vill-Chadri Hariharpur, Kuanrmunda	
12.	Mangalam Ispat (P) Ltd, Usra Road, Kuarmunda	
13.	Bajrang Ispat (P) Ltd, Kuarmunda	
14.	<b>Kaushal Ferro Metals (P) Ltd., Podbahal</b>	2x100
15.	Khederia Ispat Ltd., Kuarmunda	1X50
16.	Maa Sakumbari Sponge Iron (P) Ltd., Kuanrmunda	1X100
17.	Maa Tarini Industries (P) Ltd At-Balanda, Po-Kalunga	2X50
18.	Maa Visnovi Sponge Ltd, Industrial Estate Kalunga	2X 50
19.	<b>Mahakali Ispat (P) Ltd, Gurundupali, Bonai</b>	1X50
20.	Thakur Prasad Sao & Sons (P) Ltd. (Formerly known as Mangalam Ispat (P) Ltd., Usra Road, Kuarmunda	2X100
21.	Meta Sponge (P) Ltd., Kalunga Industrial Estate	1X40
22.	Monica Holdings (P) Ltd Bad Jtumkela	1x50
23.	Nixon Steel & Power Ltd, , Industrial Estate Kalunga,	1x350
24.	OCL India Ltd., (Sponge Iron Division), Rajgangpur	4X100
25.	<b>Ores ispat ( P) Ltd, Bonai</b>	1X50
26.	Pawanjaya Sponge Iron Ltd At-Bijabahal, Po-Kunjharua	4X50
27.	Pooja Sponge Iron Ltd., Kalunga I/E., Sundargada	2X100
28.	Prabhu Sponge Iron (P) Ltd Jhagarapur, Rajgangpur	4X50
29.	Reliable Sponge (P) Ltd., Jhaliaberena, Bonai	2X100
30.	Rexon Strips Ltd., Kumakela	2X100
31.	Rungta Mines, Komando, Kalta	6x100
32.	Sai Sardha Sponge (P) Ltd, Bijabahal	1x25
33.	Scan Steels Ltd, Ramabahal, Rajgangpur	2x50
34.	Seeta Sponge Iron Ltd., Kalunga Industrial Estate	1X50 +1 x 100
35.	Shiv Metalliks (P) Ltd, Gurundupali, Bonai	2 x 100
36.	Shree Ganesh Metalicks Ltd Kuanrmunda	4X100
37.	Shrishti Ispat Ltd (unit of Scan Steel Ltd), Budakata, Bringatoli	4X100
38.	Sponge Udyog Pvt. Ltd., Jiabahal, Kalunga	2X100
39.	Sri Balaji Metalics (P) Ltd, Kharibandh	2X50
40.	Sri Hari Sponge Iron Ltd, Bonai	1X100
41.	Sri Mahavir Ferro Alloys (P) Ltd., Kalunga Industrial Estate	3X100
42.	Suraj Products Ltd., Barapali, Kesarmal, Rajgangpur	3X50
43.	Surendra Mining Industries (P) Ltd., Bonai	2X100

44	Swastic Ispat (P) Ltd.,Kuanmunda	2X50
45	T.R. Chemicals (P) Ltd.,Barpalli, Rajgangpur	3X50
46	Utkal Metallicks Ltd, Kalunga Industrial Estate	2X50
47	Vasundhara Metaliks (P) Ltd, Podajalanga, Bilaimunda(Hingir	1x50
48	Vedvyas Ispat (P) Ltd.,Kuarmunda	1X100
49	Vikram Sponge Iron Ltd, Bonai	2X100
50	Vishal Metallicks Ltd, Bonai	1X100
51	Aditya Sponge & Power (P) Ltd.,Telkoi, Dubulapal, Kendujhar	2X100
52	Beekay Steels & Power Ltd.,Uliburu, Nalda, Kendujhar	1X300
53	Crackers India Alloys.,Ltd, (Sponge) Gobardhanpur, Deojhar,Kendujhar	2X100
54	Deepak Steel and Power Ltd, Topadihi, Kendujhar	2X50 2X100
55	Deepak Steel and Power Ltd, Uliburu	2x100
56	Grewal Associates.,Matkambada, Badabil, Kendujhar	4X100
57	M/s K.J.S. Ltd (Formerly known as Hima Ispat Pvt. Ltd)., Barpada, Guali, Kendujhar	1X300
58	Kusum Power Met Ltd,Kutugaon, Chipinda, Kendujhar	2X50 2X100
59	MSP Sponge Iron (P) Ltd Haladiaguna, Gohardhanpur	2X40 2X50
60	N.K Bhojani (P) Ltd.,Rugudihi,Guali,Badabil	3X40
61	OMDC Sponge Iron Plant, Thakurani	1X100
62	(M/s Pattaik Mineral (P) Ltd) (Formerly known Orion Ispat Ltd.,Ramchandrapur	3X100
63	Orissa Sponge Iron Ltd.,Palaspanga	1X350 1x500
64	Rungta Mines,(Sponge Iron Division),Karakola, Badabil,	5X100
65	Shri Ganesh Sponge Iron Ltd Pvt. Ltd., Kutugaon, Chipinda	2X100
66	Sree Metaliks Ltd.,Loidapara	2X50 4X100 1x300
67	Sri Jagannath Mettalics Ltd., Khaprakhai, Palaspanga	2x100
68	Sumrit Metallicks (P) Ltd, Soyabali, Badabil	2X50
69	Tata Sponge Iron Ltd.,Bileipada, Joda	2X375 1x500
70	Patnaik Steel & Alloys, Vill-Purnapani,Dubuna, Kendujhar	1x350
71	Orion Ispat Ltd,Ramchandrapur,	
<b>SAMBALPUR DISTRICT (10 nos.)</b>		
72	Aryan Ispat & Power Ltd, Bamaloi, Rengali	2X100
73	Bhusan Ltd, Thelkoloji, Regali	4X500
74	Maa Samaleswari Sponge Iron Ltd., Katarbhaga, Rengali	2X100
75	Maa Samaleswari Industries (P) Ltd, Lapanga,	2X100
76	R.B. Sponge Iron (P) Ltd., Kenghati, Jayanpur	1X50
77	Rathi Udyog Ltd., Near Chipilima	1x500
78	Samaleswari Ferro Metals (P) Ltd,Bisal Khinda,Sasan	1x100
79	Shyam DRI Power Ltd., Pandaloi	2x350
80	T.R.Chemicals Ltd., Belpada	3X100
81	Viraj Steel & Energy, Gurupali, Rengali	2x350
<b>JHARSUGUDA DISTRICT (13 nos.)</b>		
82	Action Ispat & Power (P) Ltd	2x350
83	Bhagawati Steels (P) Ltd, Badmal	1x50
84	Eastern Steel & Power Ltd	1x350

85	Jai Hanuman Udyog Ltd,Raghunathpali	2x100
86	L.N. Metaliks Ltd, Sripura	2x100
87	Pawansut Sponge (P) Ltd, Badmal	2x100
88	Seven Star Steels Ltd, Girindola	1x100
89	Shree Madhav Ispat Ltd, Siriapali, Parmanpur, Jharsuguda	2X100
90	Singhal Enterprises (P) Ltd,Hirma	2x100
91	SMC power Generation (P) Ltd, Hirma	2X300
92	SPS Sponge Iron Ltd., Badmal, jharsuguda	6X100
93	MSP Metalliks Ltd, Marakuta, Jharsuguda	4x100
94	Jain Steel & Power Ltd., Durlaga, Jharsuguda	1 x 350
<b>ANUGUL DISTRICT (3 nos.)</b>		
95	Bindal Sponge Iron Ltd., Sunakhani, Talcher	1X300
96	Ganesh Sponge (P) Ltd, Golabandh, Anugul	1x100
97	Shree Metaliks Ltd.,Amalapada, Anugul	2X100
<b>DHENKANAL DISTRICT (4Nos.)</b>		
98	Bhusan Steel Ltd, Meramundali	6x500
99	BRG Iron & Steel Co. Ltd, Kurunti	2x100
100	<b>Rana Sponge Ltd, Kulei, Parjang</b>	1x350
101	Scaw Industries Pvt. Ltd., I.E. , Gundichapada	1X300
102	Dinabandhu Steel & Power Ltd., Kalinga nagar, Jakhapur, Jajpur	2X100
103	K.J. Ispat Ltd Kalinga nagar, Jhakarpur	1x100
104	Miathan Ispat Ltd., Kalinga nagar, Jakhapur	2x350
105	Suryaa Sponge Iron Ltd, Kalkala	2X40 2X100
106	Visa Steels Ltd., Kalinga Nagar	2 x 500
107	Arati Steels Ltd,Ghantkhal,Athagarh	1x500
108	Maheswari Ispat Ltd, Rampai, Khuntuni	4X100
109	Sri Hardev Steel (P) Ltd, Sunjamuhan, Gurudijhatia, Choudwar	1X50
110	Virajaa Steel (P) Ltd.,( Formerly Shiva Metaliks Pvt. Ltd,) Suniamuhan, Mancheswar , Choudwar	1X50
<b>MAYURBHANJ DISTRICT (1 no.)</b>		
111	Shiv Shakti Sponge Iron Ltd, Pandersil (Sukruli)	2X100

**LIST OF IRON ORE CRUSHERS IN THE STATE**

Sl. No.	Name of the Industry	Location	District
1.	M/s. Kamaljit Singh Ahlualia	Katashahi, Koira	Sundargada
2.	M/s. Deepak Steel & Power Ltd	Topadihi	Kendujhar
3.	M/s. Prakash Ind. Ltd	Koida	Sundargada
4.	M/s. Kaypee Enterprises	Dalki	Kendujhar
5.	M/s. Maa Tarini Udyog	At/PO-Champe	Kendujhar
6.	M/s. Mala Roy, I. Roy & P. Roy	Jalahuri iron & Mn mine, Joda	Kendujhar
7.	M/s. Kalinga mineral processing,	Mundula, Bayakamotia	Kendujhar
8.	M/s. Bansapani Iron Ltd	Jurudi, Jajang	Kendujhar
9.	M/s. Patnaik Minerals (P) Ltd	Jaribahal, palasa	Kendujhar
10.	M/s. Narayani Sons (P) Ltd	Surgutaria, Bansapani	Kendujhar
11.	M/s. Binodini Minerals	Danla, Suakati	Kendujhar
12.	M/s. Shree processor	Salarpentha, Mahadeijoda	Kendujhar
13.	M/s. Mangalam Ispat	Kasia, Bhadrashahi	Kendujhar
14.	M/s. Kalinga Mining Corp	Jurudi	Kendujhar
15.	The Orissa minerals Dev. Corp, Roida Crushing & Screening unit	Bhuya Roida, Badabil	Kendujhar

16.	M/s. Futuristic Steel (P) Ltd	Joda, Palasa (Kha)	Kendujhar
17.	M/s. Roida crushing & Screening Unit (OMDC)	B. Roida, Badabil	Kendujhar
18.	M/s. J. B. Industries	Tanta, Bhadrasahi	Kendujhar
19.	M/s. Utkal Ispat (PO Ltd	At/PO-Kasia	Kendujhar
20.	M/s. Jagannath Udyog	Lunghar, Suakati	Kendujhar
21.	M/s. Satguru minerals & Steels	At-Kasia, Po-Badabil	Kendujhar
22.	M/s. Swarajya Buil-Tech (P) Ltd	At-Baiya kumutia, PO-Suakati	Kendujhar
23.	M/s. S. P. Minerals	AT/PO-Koira	Sundargrh
24.	M/s. P. V. Enterprises	At-Kasira, PO-Koira	Sundargada
25.	M/s. M. G. Mohanty	At-Patbeda, PO-Malda	Sundargada
26.	M/s. Gitarani Mohanty	At-Raikela, PO-Dengula	Sundargada
27.	M/s. Maa Manasha Crushing plant	At-Kasira, Po-Koira	Sundargada
28.	M/s. Aryan Mining & Trading Corporation (P) Ltd	At-Narayanposhi, PO-Koira	Sundargada
29.	M/s. Singhal Enterprises (P) Ltd	At-Jaribahal, Po-Joda	Kendujhar
30.	M/s. Crackers India Alloys (P) Ltd	Kalikaprasad	Kendujhar
31.	M/s. Shree Ganesh Sponge (PO Ltd	At-Rugudi, PO-Badabil	Kendujhar
32.	M/s. Harsha Ltd	At-Sonua, PO-Koira	Sundargada
33.	M/s. United Enterprises	At/PO - Bansapani	Kendujhar
34.	M/s. Bajarang Metaliks (P) Ltd	At-Sonua, PO-Koira	Sundargada
35.	M/s. Associated Enterprises	At/PO-Bileipada, Joda	Kendujhar
36.	M/s. Maa Tarini Iron ore Processing & Metal Industries	At-Sergigarh, PO-Koira	Sundargada
37.	M/s. Shree Balaji Metal Industries	At/PO-Kasia	Kendujhar
38.	M/s. Maa shakti Crusher Co.	At-Palsha (Kha), PO-Bambeari	Kendujhar
39.	M/s. Global Mining Industries	At/PO-Kasia	Kendujhar
40.	M/s. Global Associates	At-Kalamang, PO-Malda	Sundargada
41.	M/s. Maheswari Minerals	At-IDCO I.E, PO-Matkambada	Kendujhar
42.	M/s. Sri Shyam minerals	At-Sonua, PO-Koira	Sundargada
43.	M/s. Aftek Traders (P) Ltd	At-B. Roida, PO-Badabil	Kendujhar
44.	M/s. Shree Balaji (India) (P) Ltd	At-Hatisikuli, PO-Utkam	Mayurbhanj
45.	M/s. Vipra Industries (PO Ltd	At-Barapada, PO-Guali	Kendujhar
46.	M/s. Harihar Iron & Steel (P) Ltd	At-Sonua, PO-Patmunda	Sundargada
47.	M/s. Sankar Udyog	At-Sargigarh, PO-Patmunda	Sundargada
48.	M/s. Westwell Iron & Steel (P) Ltd	At-Banspani, PO-Joda	Kendujhar
49.	M/s. Sidhi Vinayak Ferro Alloys Ltd	At-Barapada, PO-Guali	Kendujhar
50.	M/s. H. L. Trader & Supplier (P) Ltd	At-Surjigarh, PO-Patmunda	Sundargada
51.	M/s. Khatushyamjee minerals (P) Ltd	At-Purunadihi, PO-Badakalamati	Kendujhar
52.	M/s. Dwarka Sponge Food (P) Ltd	At-Sonua, PO-Koira	Sundargada
53.	M/s. Padmavati Ispat & Minerals ltd	At-Kusumudihi, PO-Koira	Sundargada
54.	M/s. R. K. Minerals	At-Khajuridihi, PO-Badabil	Kendujhar
55.	M/s. Balaji Melter (P) Ltd	At-Soida, PO-Pallahada	Anugul
56.	M/s. Balaji Hi-Tech Rolling (P) Ltd	At-Palasha (Kha), PO-Joda	Kendujhar
57.	M/s. Gay Minerals & Steel Ltd	At-Raika, PO-Serenda	Kendujhar
58.	M/s. Badbil Khanij Udyog	At-Jamupani, PO-Dubuna	Kendujhar
59.	M/s. Koira Ores (P) Ltd	At-Sargigarh, PO-Koira	Sundargada
60.	M/s. T. R. Chemicals (P) Ltd	At-Khajuridiha, PO-Dubuna	Kendujhar
61.	M/s. Ritika Alloys (P) Ltd	At-Badaindupur, PO-Koira	Sundargada
62.	M/s. Sky-line minerals & Construction (P) Ltd	At-Govindpur, PO-Raghunathpur	Kendujhar
63.	M/s. Kalinga ores	At-Kusumadihi, PO-Koira	Sundargada

64.	M/s. Cash Alloys Ltd	At-Bada-indupur, PO-Koira	Sundargada
65.	M/s. Shivam Corporation	At-jurudi, PO-Joda	Kendujhar
66.	M/s. Sri Vishnu Sponge Iron ltd	At-Kolha Barpada, PO-Matkambada	Kendujhar
67.	M/s. Gandhamardan Iron Ore Mines, crushing unit	At/PO-Suakati	Kendujhar
68.	M/s. SLM minerals (P) Ltd	At/PO-Kollahabarpada	Kendujhar
69.	M/s. Santosh Industries	At-Baldihi, PO-Patmunda, Koira	Sundargada
70.	M/s. Utkal minerals & ore	At-Sargigada, PO-Koira	Sundargada
71.	M/s. Koira Ore & Minerals	At-Balidihi, PO-Koira	Sundargada
72.	M/s. Radhey Krishna Minerals	At-Dubuna, PO-Badakalimati	Kendujhar
73.	M/s. Ajay minerals & Steel Ltd.	At-Rengalbeda, PO-Koira	Sundargada
74.	M/s. Ranisati minerals (P) Ltd	At-Rengalbeda, koira	Sundargada
75.	M/s. K. D. Sharma	At/PO-Matkombada	Kendujhar
76.	M/s. Mallick Minerals Udyog	At-Gobindapur, PO-Raghunathpur	Kendujhar
77.	M/s. Sidharth Sponge & Power Ltd	At-Barpada, PO-Matkambada	Kendujhar
78.	M/s. Evergreen Nivesh & Business Ltd	At-Balagoda	Kendujhar
79.	M/s. Chhatisgarh process (P) Ltd	At-Jaribahal, PO-Joda	Kendujhar
80.	M/s. Sidheswar mineral Corporation	At-Nayagada, PO-Dubuna	Kendujhar
81.	M/s. Shree Giriraj Metalics	At-Dabuna, PO-Joda	Kendujhar
82.	M/s. Satyasai Mines & Minerals	At-Talachampe, PO-Champe	Kendujhar
83.	M/s. Prime minerals (P) Ltd	At/PO-Sergigarh	Sundargada
84.	M/s. Khandabandha Iron & Mn. Mine	At-Khandabandha, PO-Joda	Kendujhar
85.	M/s. Shree Maheswari minerals	At/PO-Suakati	Kendujhar
86.	M/s. Maa Santoshi Industries Ltd	At-Khuntakata, PO-Suakati	Kendujhar
87.	M/s. Virangana Steel Ltd	At-Loidapada, PO-Guali	Kendujhar
88.	M/s. CNN Minerals	At-Lasarda, PO-Dhanurjayapur	Kendujhar
89.	M/s. Shree Udyog	At-Kolhabarpada, PO-Badabil	Kendujhar
90.	M/s. Shyam sel Ltd	At-barpada, Po-Guali	Kendujhar
91.	M/s. OCL India Ltd	At-Lamloi, PO-Garvana	Sundargada
92.	M/s. Everlast Fincon (P) Ltd	At/PO-Dubuna	Kendujhar
93.	M/s. Brahmha Mines & minerals (P) Ltd	At/PO-Matkambada	Kendujhar
94.	M/s. Hawarh Gases ltd	At-Matkambada I.E,	Kendujhar
95.	M/s. Sumrit Metalics (PO Ltd	At-Soyabahal, PO-Badabil	Kendujhar
96.	M/s. Jagannath mineral (P) Ltd	At-San-Indupur, PO-Koira	Sundargada
97.	M/s. Unchabali Iron Mn. Mine	At-Unchabali, PO-Balda	Kendujhar
98.	M/s. TISCO Joda East Iron Mine	At/PO-Joda	Kendujhar
99.	M/s. Maa Nainadevi Minerals	At-San-Indupur, PO-Koira	Sundargada
100.	M/s. Mahavir Ores & Sponge (P) Ltd	At-Sonua, PO- Koira	Sundargada
101.	M/s. Mahadev Sponge & Mining (P) Ltd	At-Beldihi, PO-Koira	Sundargada
102.	M/s. Shree Guru Kripa Udyog	At-Dubuna	Kendujhar
103.	M/s Shyam Steel	At-Kalmang, PO-Malda	Sundargada
104.	M/s. High-Tech Minerals & Sponge	At-Nuagaon, PO-Koira	Sundargada
105.	M/s. Koira Steel (P) Ltd.	At/PO-Koira, Belkudar, Tehroi	Sundargada
106.	M/s. Sushila Sponge (P) Ltd	At-Kasia, PO-Bhadrasahi	Kendujhar
107.	M/s. Shagun Projects (P) Ltd	At-Patmunda, PO-Koira	Sundargada
108.	M/s. Sub-metallics	At-Tanta, PO-Bhadrasahi	Kendujhar
109.	M/s. Asha minerals	At-Raika, PO-Badabil	Kendujhar



110.	M/s. Kalinga Stone Works	At-nischintpur, PO-Badaposh	Kendujhar
111.	M/s. Suraj Minerals	At-Goiliharga, PO-Kalunga	Sundargada
112.	M/s. Kanodia Iron Work (P) Ltd	At-Palasa (Kha), PO-Jajang	Kendujhar
113.	M/s.Dryson Marketing (P) Ltd	At-Sonua, PO-Koira	Sundargada
114.	M/s. Maruti Stone Works	Patmunda	Sundargada
115.	M/s. Sri Vrindaban Metallics	At-Sonua, PO-Koira	Sundargada
116.	M/s. Gonasika Ferro Products	At-Bayakumutia, PO-Banspal	Kendujhar
117.	M/s. Maruti Ores	Baldihi, Sonua, Koira	Sundargada
118.	M/s. Bisra minerax	At-Nayagada, PO-Dubuna	Kendujhar
119.	M/s. B. Seenaiyah & Co Projects Ltd	At-San-Indupur, PO-Malda	Sundargada
120.	M/s. Puja minerals	At-Talakaipur, PO-Suakati	Kendujhar
121.	M/s. Shree Mahavir High Tech Chemicals (P) Ltd	At/PO-Koida	Sundargada
122.	M/s. Kamakhya Ores (P) Ltd	At-Sonua, PO-Patmunda	Sundargada
123.	M/s. Jai Maa Vaishno Devi minerals	At-Kasia, PO-Badabil (Ka)	Kendujhar
124.	M/s. Maa Tarini Iron ore Crusher	At-Matkambada I.E, PO-Badabil	Kendujhar
125.	M/s. Vibgyor Structural Construction (P) Ltd	At-Kamarposh, PO-Bimalgarh	Sundargada
126.	M/s. R. P. Gupta Mineral (P) Ltd	At-San-Indupur, PO-Malda	Sundargada
127.	M/s. Hindustan minerals	At-Salarpentha, PO-Mahadeijoda	Kendujhar
128.	M/s. Prabhu Sponge (P) Ltd	At-Jhagarpur, PO-Kesamal	Sundargada
129.	M/s. Khatau Narviram & Co.	At-Tanto, PO-Bhadrasahi	Kendujhar
130.	M/s. SKD Steels (P) Ltd	At-Kolabarpada, PO-Matkambada	Kendujhar
131.	M/s. Subham Minerals & Steel	At-kusumdihi, PO-Koira	Sundargada
132.	M/s. Flexi Multi Product & Services (P) Ltd	At-Anugulia, PO-Nandapur	Kendujhar
133.	M/s. Ganesh ores & Minerals	At-Sonua, PO-Koira	Sundargada
134.	M/s. Sanwaria Steel (P) Ltd	At-Lasarda, PO-Bolani	Kendujhar
135.	M/s. Green Industries (P) Ltd	At-Sonua, PO-Patmunda	Sundargada
136.	M/s. Aditya Minerals	At-Tentulidihi, PO-Koira	Sundargada
137.	M/s. BRM Mines & Minerals	At-Saralapentha, PO-Mahadeijoda	Kendujhar
138.	M/s. Bhargav Metalliks (P) Ltd	At-Ranisal, PO-Patmunda	Sundargada
139.	M/s. Sri KLS Energy	Palasa (Kha)	Kendujhar
140.	M/s. SRT Salsar Ores & minerals	At-Kodadiha, PO-Koira	Sundargada
141.	M/s. Jaimata Ambe enterprises	At-Goibhang, PO-Kalunga	Sundargada
142.	M/s. Shree Balaji Ispat	At-Kadadihi, PO-Koira	Sundargada
143.	M/s. Jai Jagadamba minerals	At-dhanurjayapur, PO-Malda	Kendujhar
144.	M/s. Basundhara Metalliks (P) Ltd	Podujalanga	Sundargada
145.	M/s. Srijee Strips (P) Ltd	At/PO-Koida	Sundargada
146.	M/s. Maa Tarini Ores & Minerals	At-Bhuiya Roida	Kendujhar
147.	M/s. Shree Shyam Minerals	At-Jharsua, PO-Bhadrasahi	Kendujhar
148.	M/s. Triveni Earth Movers (P) Ltd	At/PO-Guali	Kendujhar
149.	M/s. Maa Samaleswari Mine Products	At-Ranisal, PO-Patmunda	Sundargada
150.	M/s. Ares & Sons	At/PO-Dubuna	Kendujhar
151.	M/s. Bhargav Steel (P) Ltd	At-Ranisal, PO-Koira	Sundargada
152.	M/s. Bindal Sponge ltd	At-Sunakhani, PO_Talcher	Anugul
153.	M/s. Tulip Mines (P) Ltd	At-Barpada, PO-Guali	Kendujhar
154.	M/s. Amiya Steels (P) Ltd	At-Maharajpur, PO-Jashipur	Mayurbhanj

155	M/s. Lexus Steels (P) Ltd	At-Sonua, PO-Koira	Sundargada
156.	M/s. Jeet Minerals	At-Sralapentha	Kendujhar
157	M/s. Utkal minerals Ind.	Saralpantha, Mahadeijoda	Kendujhar
158	M/s. Chandawasia Exim (P) Ltd	At-Sonua, PO-Patmunda	Sundargada
159	M/s. Gajanan Metallics	At-Patmunda, PO-Koira	Sundargada
160	M/s. S.R Minerals	At-Naibuga, PO-Dubuna	Kendujhar
161.	M/s. Hindustan Minerals	At-Raika, PO-Serenda	Kendujhar
162	M/s. Orind Steel Ltd	At-Khuntpani, PO-Banspani	Kendujhar
163	M/s. Ujala Minerals	At-Talachampe, PO-Suakati	Kendujhar
164	M/s. Devpuri Iron	At-Tanto, PO-Bhadrasahi	Kendujhar
165.	M/s. Loh Ayaska Udyog	At-Kundula, PO-Palaspanga	Kendujhar
166	M/s. Sriram Crushing Industries	At-Basudevapur, PO-Nuradpur	Kendujhar
167	M/s. Narssingh mineral Works (P) Ltd	At-Kamondo, PO-Kalta	Sundargada
168	M/s. Krishna Ores (P) Ltd	At-Bijabahal, PO-Biramitrapur	Sundargada
169	M/s. Sri Sindhuja Steel (P) Ltd	At-Nayagada, PO-Dubuna	Kendujhar
170	M/s. Rungta Minerals	At/PO-Talchampe	Kendujhar
171.	M/s. Nayagada minerals	At-Jalapopushi, PO-Dubuna	Kendujhar
172	M/s. Srirampur Steel (P) Ltd	At-Bada-Indupur, PO-Koira	Sundargada
173	M/s. GSN Murty minerals (P) Ltd	At/PO-Matkambada	Kendujhar
174	M/s. Sri Hari Industries	At/Po-Dubuna	Kendujhar
175.	M/s. Mangal Steel (P) Ltd	Sanaindupur, Koira	Sundargada
176	M/s. P. C. Ferro Melters (P) Ltd		Kendujhar
177	M/s. MDM Steel & Metals	At-Kalhabarpada, PO-Badabil	Kendujhar
178.	M/s. Surendra Mining Industries (P) Ltd	At/PO-Koira	Sundargada
179	M/s. Nilachakra Metal Processors (P) Ltd	At-Tankajoda, PO-Lalchi	Sundargada
180	M/s. Atyadhunik Minerals processing	At/PO-Koira	Sundargada
181	M/s. Krishna Kanheyia Metal (P) Ltd	At/PO-Koira	Sundargada
182	M/s. Shakti Mines & Minerals	At-Lasarda, PO-Badabil	Kendujhar
183	M/s. Deepak Steels & Power Ltd	At-Uliburu, PO-Nalda	Kendujhar
184	M/s. Iron Cementics India	At/PO-Patmunda, Koira	Sundargada
185	M/s. Gopi Krishna minerals & Metals	At-Kolmang, Koira,	Sundargada
186	M/s. M. V. Industries (P) Ltd	At-Kolhabarpada, Badabil	Kendujhar
187	M/s. Tirupati Minerals	At-Hindola, Palsponga	Kendujhar
188	M/s. R. K. Minerals	At-Kandarposhi, Rengalbeda	Kendujhar
189	M/s. Tarini Alloys (P) Ltd	At/PO-Dubuna, Purunadihi	Kendujhar
190	M/s. Sri Jagannath Minerals	At-Batijanga, PO-Harisdaspur	Jajpur
191	M/s. Tulsi Ispat (P) Ltd	At-Kamando, Koira	Sundargada
192	M/s. Alfa Minerals	At-Roida, PO-Badabil	Kendujhar
193	M/s. Mahamaya Sponge Feed (P) Ltd	At/PO-Koira	Sundargada
194	M/s. Vibgyor Steels & Mines Ltd	At-Khuntugaon, Bonai	Sundargada
195	M/s. Tirupati Enterprises	At-Tulsibani, Rairangpur	Mayurbhanj
196	M/s. Kuber Extraction (P) Ltd	At-Lasarda, Badabil	Kendujhar
197	M/s. Vedvyas minerals	At-Tentulidih, Koira	Sundargada
198	M/s. Surya Khanij	At-Loidapada	Kendujhar
199	M/s. P. K. Transport	At-Khuruntir	Sundargada
200	M/s. B. J. Impex (India) Pvt. Ltd	At-Dubuna	Kendujhar
201	Shri Mahavir Ferro Alloys (P) Ltd,	Kalunga Ind. Estate	Sundargada
202	M/s. Kiran Ispat & Mineral (P) Ltd	At-Dalki, Badabil	Kendujhar
203	M/s. Das Minerals	At-Kundrapani, Roida	Kendujhar
204	M/s. Maa Engineering		Kendujhar

205	M/s. Rashmi Ferro Alloys (P) Ltd	At-Rugudi, Guali	Kendujhar
206	M/s. Reliable Sponge (P) Ltd	At-Jhariberna, Kendrikala Bonai	Sundargada
207	M/s. Biraja Minerals	At-Jaraka	Jajpur
208	M/s. Beekay Steels & Power Ltd	At-Uliburu, Nalanda	Kendujhar
209	M/s. Behera Minerals	At/PO-Tikayatpali	Sundargada
210	M/s. Gouri Minerals (P) Ltd	Kumundi	Kendujhar
211	M/s. Welcon Steel (P) Ltd	At-Karangdihi, Kanjipani	Kendujhar
212	M/s. M.K. D Minerals & Exports (P) Ltd	Hatisikuli	Mayurbhanj
213	M/s. Vishwakarma Metallicks	Baraghat, Kuliposh	Sundargada
214	M/s. Bhagaban Minerals (P) Ltd	Karukhetra, Nalda	Kendujhar
215	M/s. G.P Minerals	At-Ghasal Ind. Estate, Rajgangpur	Sundargada
216.	M/s. Mahakaya Mineral	Ichinda, suakati	Kendujhar
217	M/s. Balaji Metalics (P) Ltd	At-Khairabandha, Kalunga	Sundargada
218.	M/s. Choudhury Iron & Steel Ind. Ltd	Raichapala, Kumjharia	Sundargada
219	M/s. SCAW Industries (P) Ltd	Gundhichapada ind. Estate	Dhenkanal
220	M/s. Indo Ingots & Rerollers	Banspani, Joda	Kendujhar
221	M/s. Kalinga Sponge Iron Ltd	Kalunda Ind. Estate, Kalunga	Sundargada
222	M/s. Danla Metalics	Danla, Suakati	Kendujhar
223	M/s. Bajrang Ispat (P) Ltd	At-Naikinbahal, kuarmunda	Sundargada
224	M/s. Ispat Agencies (P) Ltd	Gohidorah, Balanda	Sundargada
225	M/s. Core minerals	Kolmang, Malda	Sundargada
226	M/s. Anjani Steel (P) Ltd	Matkambeda Ind. Estate,	Kendujhar
227	M/s. Ravish Metaliks	Aanugaon, Chikitmati	Sundargada
228	M/s. Kalinga Mining Corporation (Inside Joruri Iron & Mn. Mine)	Joruri, Jajang	Kendujhar
229.	M/s. Lucky Minerals	Kasia (Kha)	Kendujhar
230	M/s. P. K. Associates	Matkembeda, Bhadrasahi	Kendujhar
231	M/s. Orissa Stevedors Ltd	At-Badabil	Kendujhar
232	M/s. KMC	At-Joruni, Jajang	Kendujhar
233	M/s. Utkal Industries	Jalangadiha, Narayanpur	Kendujhar
234	M/s. Sidhi Minerals	Arda	Jharsuguda
235	M/s. G.A Steelmate India (P) Ltd	Karakhendra, Badabil	Kendujhar
236	M/s. Rashmi Metaliks (P) Ltd	Koira	Sundargada
237	M/s. B. R. Sponge & Power Ltd	Tumkela, rajmunda	Sundargada
238	M/s. Rairon Mineral	Kuanor	Kendujhar
239	M/s. Maheswari Minerals	Rajmunda, Soida	Anugul
240	M/s. Sree Mahavir Ferro Alloys (P) Ltd	Tankajoda	Sundargada
241	M/s. Rungta Sons (P) Ltd	Orghat , Koira	Sundargada
242	-do-	Sanindupur, koira	Sundargada
243	M/s. Feedrade & Co. (P) Ltd	Nadidihi, guali	Sundargada
244	M/s. Bonia Ind. Co. Ltd	Teherai, Koira	Sundargada
245	-do-	Nadidihi, Guali	Sundargada
246	M/s. Pawanjaya Sponge Iron Ltd	Bijabahal, Kumjharia	Sundargada
247	M/s. Tata Steel Ltd	Katamati, Deojhar	Kendujhar
248	M/s. Agroha Ispat (P) Ltd	Sannuagaon	Sundargada
249	M/s. Muskan Minerals (P) Ltd	Jiabahal, Kalunga	Sundargada
250	M/s. Shivam Sponge Iron (P) Ltd	Karakcha, Badabil	Kendujhar
251	M/s. Balgopal Minerals (P) Ltd	Jalahari, Jajang	Kendujhar
252	M/s. Binodini Minerals	Danla, Suakati	Kendujhar
253	M/s. Jajang Iron & Mn. Mines	Jajanga	Kendujhar

Source : Orissa State pollution Control Board

## List of Companies in MoU with Government of Orissa

STEEL PROJECTS					
SI	Name of the Company	Location	MoU signed on	Capacity (in MTPA)	Project Cost (Rs. in cr.)
*1	Bhusan Power & Steel Ltd	Lapanga, Sambalpur	15.05.02	4.00	3,500.00
*2	Aarti Steels Ltd.	Ghantikhal, Kataka	01.10.03	0.50	886.00
*3	Adhunik Metaliks Ltd.	Rourkela, Sundargada	01.10.03	0.41	400.00
4	Deo Mines & Minerals (P)Ltd.	Thiabera, Bonai	01.10.03	0.33	316.00
*5	Scaw Industries (P) Ltd.	Gundichapada, Dhenkanal	01.10.03	0.80	824.00
*6	SMC Power Generation Ltd.,	Hirma, Sambalpur	26.12.03	0.40	455.00
*7	VISA Steel Ltd.	Duburi, Jajpur	26.12.03	0.35	345.78
*8	Shyam DRI Power Ltd.	Pandloi, Sambalpur	09.02.04	0.27	224.71
*9	SPS Steel & Power Ltd.	Jharsuguda	26.08.04	0.29	210.00
*10	Orissa Sponge Iron & Steels Ltd.	Palasponga, Kendujhar	26.08.04	0.95	1037.00
11	Maharashtra Seamless Ltd.	Duburi	26.08.04	0.48	450.00
12	Sterlite Industries (India) Ltd.	Palaspanga, Keonihar	15.10.04	5.00	12,502.00
13	Tata Steel Ltd.	Duburi	17.11.04	6.00	15,400.00
*14	Maheshwarv Ispat Pvt. Ltd.	Khuntuni	27.11.04	0.25	210.00
*15	MAL Industries Ltd.(Maithan Ispat Ltd.)	Duburi	27.11.04	0.27	335.25
*16	OCL Iron & Steel Ltd.	Rairangpur	27.11.04	0.25	204.21
*17	Sree Metaliks	Badabil	27.11.04	0.25	190.44
*18	Action Ispat & Power (P) Ltd.	Jharsuguda	27.11.04	0.25	270.00
*19	MSP Metalics Pvt. Ltd.	Jharsuguda	27.11.04	0.26	260.59
*20	Aryan Ispat & Power (P) Ltd.	Bomlai, Rengali	27.11.04	0.30	393.14
21	Monnet Ispat & EnerQV Ltd.	Dhenkanal	27.11 .04	0.25	281.09
22	Hvarade Pellets Ltd.	Paradeep	21.04.05	4.00	10,721.00
*23	Patnaik Steel & Allovs Ltd.	Purunapani, Joda, Keonihar	04.05.05	0.27	337.42
*24	BRG Iron & Steel Co. (P)Ltd.	Khununti, Dhenkanal	04.05.05	0.26	228.05
25	Jain Steel & Power Ltd.	Durula, Jharsuguda	04.05.05	0.30	251.77
26	Konark ISDat Ltd.	Hirma, Jharsuguda	04.05.05	0.25	196.50
*27	Rathi Steel & Power Ltd	PattaDalli, Sambulpur	04.05.05	0.30	272.85
*28	Virai Steel & Energy Ltd.	Pandaloi, ,Sambalpur	04.05.05	0.30	207.00
*29	Deepak Steel & Power Ltd.	T opodih, Badabil	04.05.05	0.25	195.31
*30	Beekay Steel & Power Ltd.	Uliburu,Badabil, Kendujhar	04.05.05	0.28	319.80
*31	Jindal Stainless Ltd.	Duburi, Jajpur	09.06.05	1.60	6,628.00
32	POSCO- India Pvt. Ltd	Paradeep	22.06.05	12.00	51 000.00
*33	Eastern Steel & Power Ltd.	Lahandabud,Jharsuguda	03.11.05	0.25	254.00
*34	Jai Balaji Jyoti Steels Ltd.	Tanisar, Sundargada	03.11.05	0.33	321.14
35	RunQta Mines Ltd.	Koira & Jharband	03.11 .05	2.00	2,275.00
*36	Bhushan Steel & Strips Ltd.	Meramandali,Dhenkanal	03.11.05	3.30	5,828.15
37	Brand Alloys Ltd.	Palaspanga, Keonihar	03.11.05	0.27	307.54
38	Jindal Steel & Power Ltd.	Anugul	03.11.05	6.00	13,135.02
39	WelsDun Power & Steel Ltd.	Proposed- Tanai, Chowduar	11.10.06	3.30	6,103.80
40	Uttam Galva Steel Ltd	Duburi	13.10.06	3.10	8,987.00
41	Arcelor MittalIndia Ltd	Patna,Keonihar	21.12.06	12.00	40,000.00
42	SSL EnerQV Ltd.	Nuahat, AnQul	22.12.06	3.35	8,609.00

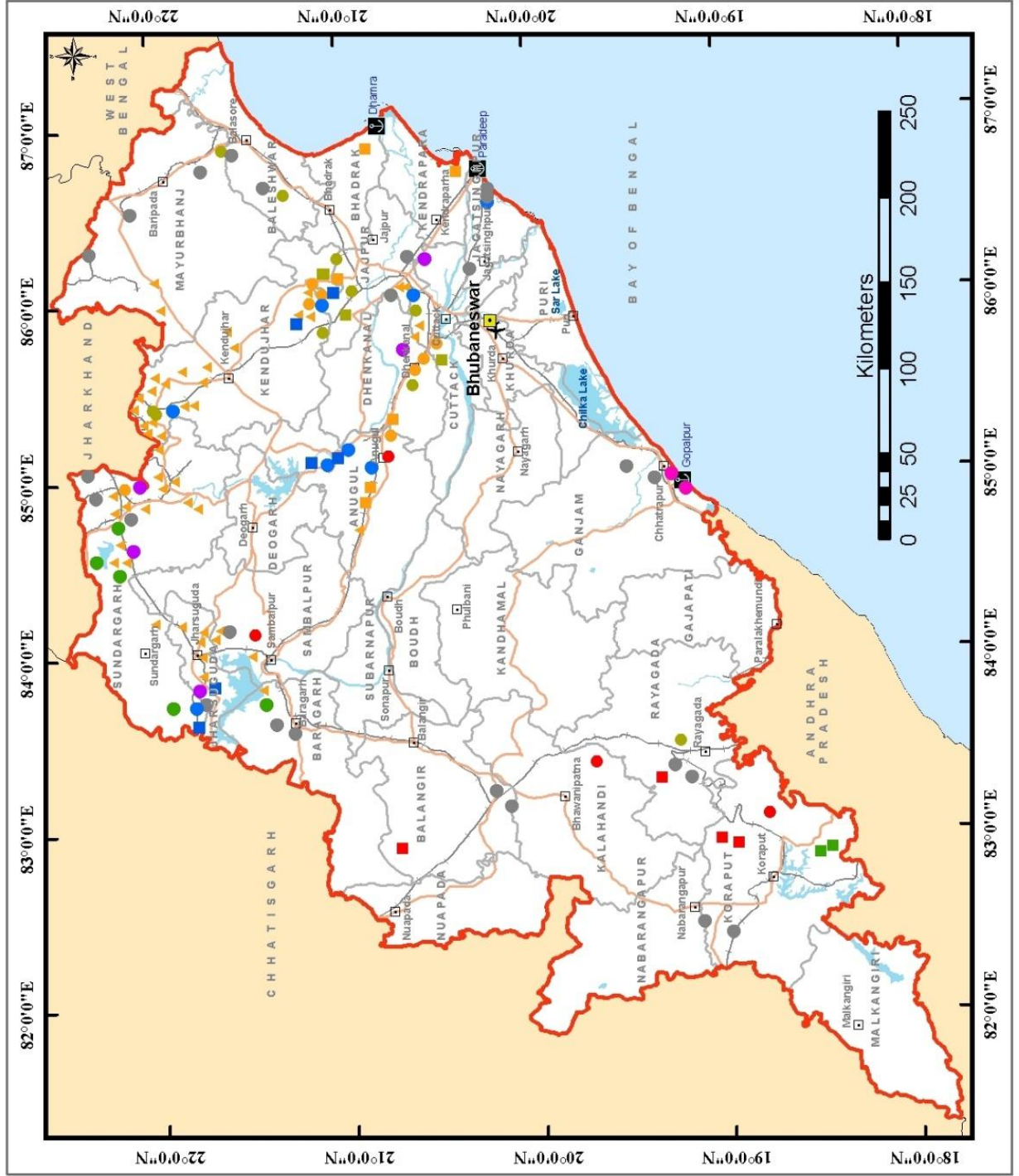
43	MGM Steel Ltd.	Nimidiha,Dhenkanal	22.12.06	0.25	208.10
*44	Crackers India Ltd	Gobard hanpur, Keonihar	22.12.06	0.25	236.39
*45	Surendra Mining Industries Pvt.Ltd.	Barahamusa, Bonai, Sundargada	22.12.06	0.25	221.62
46	Pradhan Steel & Power Ltd	Athagarh, Kataka	29.01.08	0.50	606.00
47	Tecton Ispat Ltd	Dhenkanal	29.01.08	0.25	227.13
48	Atha Mines Ltd	Dhenkanal	29.01.08	0.25	291.60
49	Brahmani River Pellet Limited	Badabil and Kalinga Nagar	15.03.07	4.00	1485.00
<b>ALUMINA/ALUMINIUM PROJECTS</b>					
<b>Sl</b>	<b>Name of the Company</b>	<b>Location</b>	<b>MoU signed on</b>	<b>Capacity (in MTPA)</b>	<b>Project Cost (Rs. in cr.)</b>
*1	Vedanta Alumina Ltd.	Lanjigarh, Kalahandi	07.06.03	1.00 Alumina	4000.00
	Vedanta Alumina Ltd.	Jharsugura	04.04.07	0.25 Aluminium 675MW CPP	8400.00
2	Aditya Aluminium	Rayagada,	08.04.05	1.00 Alumina	10725.50
		Jharsugura		0.26 Al. Sml.	
3	RSB Metaltech Pvt. Ltd	Rayagada (Refinery)	19.12.2008	0.70 Alumina Refinery 0.20 Spl.grade Alumina	6800.00
		Dhenkanal (Smelter & CPP)		0.175 Al. Smelter 450 MW CPP	
Total:					29925.50
<b>CEMENT PROJECTS</b>					
<b>Sl</b>	<b>Name of the Company</b>	<b>Location</b>	<b>MoU signed on</b>	<b>Capacity (in MTPA)</b>	<b>Project Cost (Rs. in cr.)</b>
1	ASO Cement Ltd.	Rajgangpur	10.11.2006	0.50	132.00
2	Grasim Cement Ltd.	Sundargada	10.11.2006	0.90	1200.00
3	OCL India Ltd.	Sundargada	10.11.2006	3.50	850.00
			Total:	4.90	2182.00
<b>POWER PROJECTS</b>					
<b>Sl</b>	<b>Name of the Company</b>	<b>Location</b>	<b>MoU signed on</b>	<b>Capacity (in MW)</b>	<b>Project Cost (Rs. in cr.)</b>
1	Mahanadi Aban Power Co. Ltd.	Talcher, Anugul	09.06.06	1030	4257.00
2	Navbharat Power (P) Ltd.	Meramundali, Dhenkanal	09.06.06	1040	4675.00
3	GMR Energy Ltd.	Kamalanga, Anugul	09.06.06	1000	4200.00
4	Sterlite Energy Ltd.	Bhurkhamunda, Jharsuguda	26.09.06	2400	7481.00
5	CESC	Neulacoi, Dhenkanal	26.09.06	1000	4042.00
6	Tata Power Co. Ltd.	Narai, Marthapur, Kataka	26.09.06	1000	4348.00
7	KVK Neelachal Power (P) Ltd.	Kandarei, Athagarh, Kataka	26.09.06	1200	5160.00
8	Monnet Power Ltd.	Chhendipada, Anugul	26.09.06	1000	4500.00
9	Essar Power Ltd.	Talcher, Anugul	26.09.06	1000	4602.00
10	Jindal India Thermal Power Ltd.	Derang, Anugul	26.09.06	1200	5940.00
11	Bhushan Energy Ltd.	Ghantigadia Nuahata, Anugul	26.09.06	2000	8483.00
12	Visa Power Ltd	Athagarh, Kataka	26.09.06	1000	3698.00
13	Lanco Group Ltd.	Bababandh, Dhenkanal	26.09.06	1320	4500.00
14	Astaranga Power Company	Astaranga	07.02.09	2640	11200.00
15	Kalinga Energy & Power	Babuchakuli, Sambalpur	07.02.09	1000	4261.27
16	Aarati Steels Ltd	Ghantikhal, Kataka	07.02.09	500	2065.00

17	Chambal Infrastructure Venture	Sairia, Dhenkanal	07.02.09	1200	4993.03
18	Ind Bharat Enerav	Sahaibhal, Jharsuanda	07.02.09	700	3150.00
19	Visaka Thermal Power (P) Ltd	Bhandaripokhari, Banta,Bhadrak	07.02.09	1100	4810.00
20	Sahara India Power Corporation	Tusra, Bolanair	07.02.09	1320	5604.00
21	Jindal Steel & Power Ltd	Boinda, Anugul	07.02.09	1320	5940.00
			Total:	25970	107909.30
<b>TITANIUM COMPLEX</b>					
<b>Sl</b>	<b>Name of the company</b>	<b>Location</b>	<b>MoU signed on</b>	<b>Project cost in Cr</b>	
1	Titanium Products Pvt. Ltd	Chhatrapur, Ganjam	15.10.08	1150.00	

\*Indicates companies which have strated operation

*Source : Department of Steel andMines*

# MINERAL BASED INDUSTRIES OF ORISSA



## Legend

- State Capital
  - Airport
  - Port
  - District headquarters
  - State boundary
  - District boundary
  - National Highway
  - Railway
  - Lake, Reservoir, River
- Industry**
- Aluminium (Existing)
  - Aluminium (Proposed)
  - Cement (Major)
  - Cement (Mini)
  - Ferroalloys (Existing)
  - Ferroalloys (Proposed)
  - Iron and Steel (Existing)
  - Iron and Steel (Proposed)
  - Miscellaneous
  - Power plants including captive ones (Existing)
  - Power plants including captive ones (Proposed)
  - Refractories
  - Sponge Iron and Steel
  - Titanium

  
**GOVERNMENT OF ORISSA**  
**DIRECTORATE OF GEOLOGY**  
**DEPARTMENT OF STEEL AND MINES**

# COMPENDIUM OF MINERAL RESOURCES OF ORISSA 2009



Orissa, situated on the eastern seaboard of India is one of the gifted lands of the world, where a gamut of mineral resources exist in bounty. The State is endowed with large reserves of bauxite, chinaclay, chromite, coal, diamond, dolomite, fireclay, graphite, gemstones, iron ore, limestone, manganese ore, mineral sand, nickel ore, pyrophyllite and quartz. Several mineral based industries have come up in the state and many more are in the pipeline. The huge mineral resources of the State, 480km long coastal stretch, a liberalized economic and industrial policy of the Government and excellent infrastructure support makes the state an investor's paradise.

