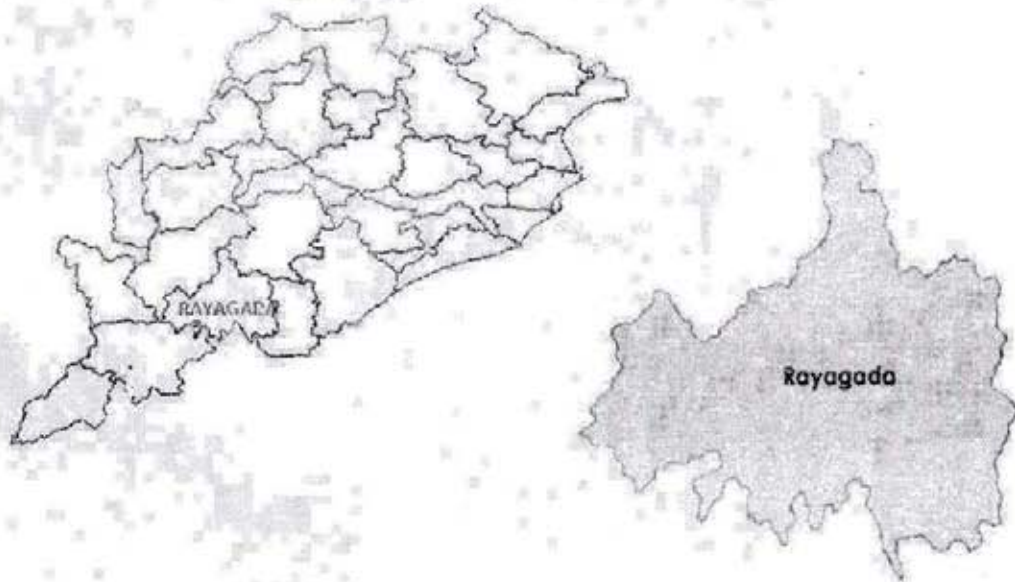




**DRAFT DISTRICT SURVEY REPORT (DSR)  
OF  
RAYAGADA DISTRICT, ODISHA  
FOR  
ROAD METAL / BUILDING STONE / BLACK STONE**

**(FOR PLANNING & EXPLOITING OF MINOR  
MINERAL RESOURCES)**

ODISHA



As per Notification No. S.O. 3611(E) New Delhi,  
25<sup>th</sup> July, 2018

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE  
(MoEF & CC)

**COLLECTORATE, RAYAGADA**

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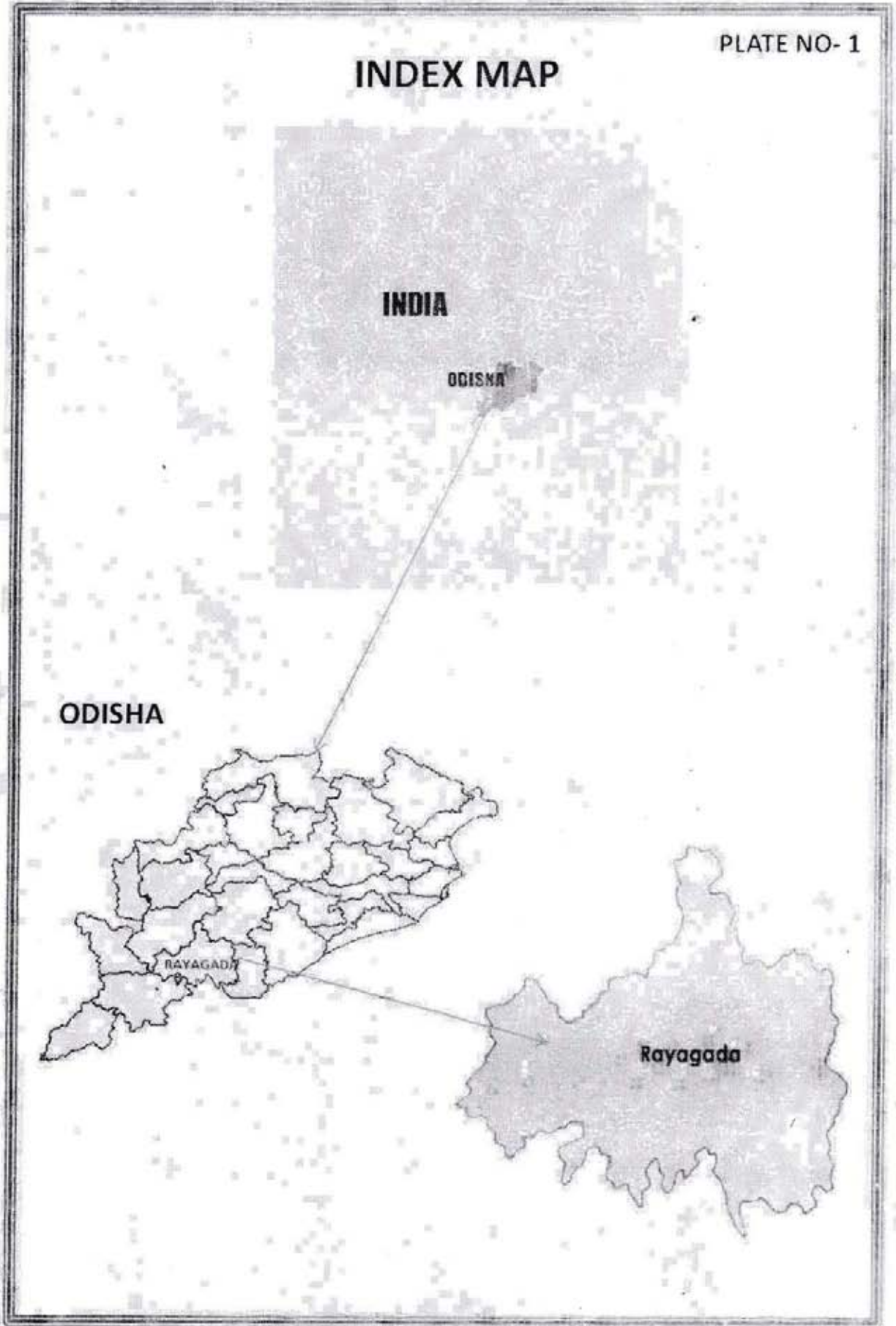


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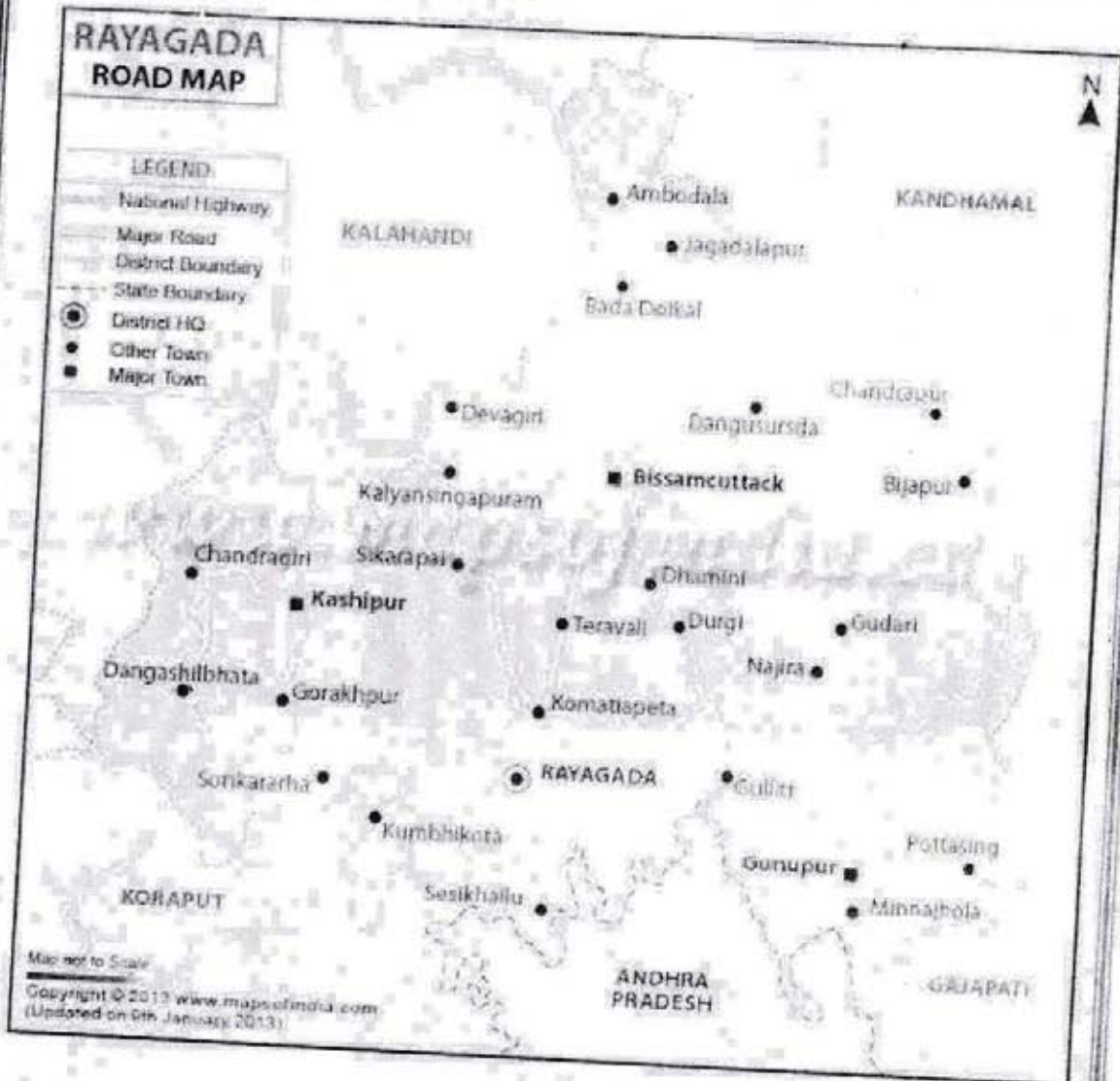
# INDEX MAP







### MAP SHOWING THE MAJOR ROADS OF RAYAGADA DISTRICT



## PREFACE

In compliance to the notification issued by the Ministry of Environment and Forest and Climate Change Notification no. S.O.3611 (E) New Delhi dated 25-07-2018, the preparation of district survey report of road metal/building stone mining has been prepared in accordance with Clause II of Appendix X of the notification. Every effort has been made to cover road metal/building stone mining locations, future potential areas and overview of road metal mining activities in the district with all its relevant features pertaining to geology and mineral wealth. This report will act as a compendium of available mineral resources, geological set up, environmental and ecological set up of the district and is based on data of various departments like Revenue, Water Resources, Forest, Geology and Mining in the district as well as statistical data uploaded by various state Government departments. The main purpose of preparation of District Survey Report is to identify the mineral resources and developing the mining activities along with other relevant data of the District.

### 1. INTRODUCTION

**Rayagada** is a district in southern Odisha, a state in India, which became a separate district in October 1992. Its population consists mainly of tribes, primarily the Khonds and the Soras. In addition to Odia, Kui and Sora are spoken by the district's indigenous population.

Rayagada covers an area of 7,584.7 square kilometres (2,928.5 sq mi), and is divided into eleven blocks. Agriculture is the chief source of income and paddy, wheat, ragi, green and black gram, groundnut, sweet potato and maize being the district's major crops.

Rayagada district is known as the most famous region of the state because of its longest human history. It has long and glorious historical records evident by copper plates, rock inscriptions as well as different coins, which clearly indicate the region was the centre of attraction in all ages. In the third century B.C., during the reign of Ashoka the Great, it was covered under Kalinga empire.

The district is surrounded by Kandhmal district in the North, Gajapati district in the East, Koraput district and state of AP in the South and Kalahandi in the West.



## 2. OVERVIEW OF MINING ACTIVITIES IN THE DISTRICT.

Rayagada district has a potential reserve of graphite, manganese, bauxite, chinaclay, limestone, quartz, gemstones etc. The following paragraphs are a brief account of the minerals of the district.

### **Bauxite**

The district has many high level bauxite occurrences. Important bauxite deposits of the district are Sijimali, Kutrumali, Baphilimali, Sashubohumali, Lakharasi. Kutrumali and Sijimali deposits extend into both Rayagada and Kalahandi districts.

Gibbsite is the main aluminous mineral.  $Al_2O_3$  content ranges from 44 to 57.80%,  $SiO_2$  content is between 0.40 to 8.74%,  $Fe_2O_3$  content ranges between 16.2 to 27%. The resource of bauxite in the district is more than 600 Mt. However, this figure is likely to be much higher in view of numerous occurrences of smaller plateaux whose potentiality has not been quantified through detailed exploration. Almost all the plateaux rising more than 900 m above MSL contain bauxite which have been explored by Directorate of Geology and GSI.

### **Manganese**

Manganese Ore deposits in the district are associated with khondalite suite of rocks belonging to Eastern Ghat Supergroup. Nishikhal manganese deposit is the most important, single largest deposit in the area with a reserve of nearly 10.2mt (Mn-28-38%). It is currently being mined by OMC and fed to Vishakapatnam Steel Plant. The other deposits in the area are Podakona-Taldhodshi(7mt), Kuttinga-Debjholla(1mt) etc. Manganese occurrences have been reported around Devajhola, Kutingpadar, Nisikhal, Rukunibadi, Paikaranipinda, Kandharanipinda, Taladoshi, Upardoshi, Podakona, Kinchikhal, Koka, Liliguma, Sirijodi, Balkapai, Bhitardulki, Sikapai, Pariguda, Katubadi, Sunakhunti, Anjorhi, Bada Siringul, Purunapani, Mandhara etc. Manganese content varies from 7% to 38%.

### **Graphite**

Graphite occupies a very prominent position in the district with regard to its extension, reserve and number of deposits. There are quite a number of graphite deposits in the district occurring at the contact of the khondalite and the granite gneiss. The important occurrences which are under active mining are in the famous



Tumudibandh belt. Nearly 150 occurrences of graphite have been identified. The most important occurrences of the district are Bandhamandi, Solagudi, Birida, Naringponga, Jagdalpur, Dukkum, Pangadi, Hajaridangu, Sada, Minahala, Pichaliguda, Rauli, Bhitardulki, Jholaguda, Sikabarhi, Kaliapalli, Patrani, Gandrugam, Dallurgam, Malimunda, Disidaku, Deulbadi, Alanda, Budaguda, Murkakoṇa, Ajaygarh, Pipliguda, Bhitarsaja, Kumbhikota, Boragaon, Dongipadar, Tutter etc. Graphite is mostly of crystalline & flaky variety. It occurs in form of disseminations, veins, pockets, lenses and also as bedded deposits. Mineralisation is controlled by lithology, stratigraphy and structure. Graphite is associated with khondalite, calc-granulite, and granite gneiss and also with pegmatites and quartz veins. The fixed carbon value in low grade and high grade graphite occurrences varies between 5 to 25 % and 30 to 80 % respectively.

#### **Limestone**

Limestone occurrences in the district has been reported from Talasaja, Salimi, Gummigurha, Sikarpai, Ranjobadi, Bhitarijhoia, Bheja, Santinagar, Nilabadi, Karlakona etc. Limestone occurs as lenticular bands associated with calc-granulite. The average CaO content varies from 28 % to 52 %.

#### **Chinaclay / Kaolin**

Chinaclay / kaolin occurrences have been reported in the district from Ambadola, Bandhamandi, Pipliguda, Kanipai, Bondichuan, Ladiponga, Loharahira, Bantichura etc. These occurrences are associated with khondalite, granite gneiss as pockets & lenses. The occurrences are highly gritty.

#### **Quartz**

Quartz veins of different dimensions are reported in the district. Among them, the notable occurrences are found around Bainibasa, Jamraguda, Bhaliapadar, Dangipada, Torumohra, Gudikhal, Sikampadar, Machhkhunti, Srirampur, Purlikona, Chitikapangu, Kusumpadar, Kasli etc.

#### **Quartzite**

There are several quartzite bands analysing more than 97% SiO<sub>2</sub> content in the Eastern Ghats Super Group of rocks. Notable among them are the occurrences

around Kondakora, Karlakona, Sana Kuanga, Loharasahi, Malkajuba, Pordiguda, Bhitrajhola, Matiguda, Adabarhi, Guriaguda and Sikarpai etc.

#### **Calc-Tufa**

Minor occurrences of calc-tuffa have been reported from Kiribiri, Durgi, Podabai, areas of Rayagada district. These occur as pockets in khondalites.

#### **Red-Ochre**

Red-ochre has been reported to occur at Marichakona with  $Fe_2O_3$  content of 20.4 to 42.8% and  $Al_2O_3$  content of 28.58 to 42.4 %. Red-ochre has also been found at Ganiabhadra with  $Fe_2O_3$  of 36.16-36.69%,  $SiO_2$  of 12.40-12.56% and also at Budharaja Parbat with  $Fe_2O_3$  of 25.20-42.44%,  $Al_2O_3$ -28.58-42.44% and  $SiO_2$  of 0.03-0.85%

#### **Gemstones**

(i) **Garnet:** Hessonite garnets are reported around Bandhaguda, Hata dahikhal, Lataguda.

(ii) **Chrysoberyl:** Gem quality chrysoberyl occurrences are reported in the area around Dhakalguda, Berhu. Often, the chrysoberyl exhibits cat's eye effects.

(iii) **Sillimanite Cat's eye:** Fibrolite variety of this group with excellent cat's eye effect is reported from the areas around Hamsa, Anabadi, Bada irkubadi.

#### **Dimension and decorative stones**

The district has good potential as regards to the occurrences of dimension and decorative stones. The massive granite and charnockite serve as excellent construction material extensively used in foundation structures, roads and buildings. Of these, the pink granite of Gurumulu, porphyritic granites of Chatikona, granite gneiss of Bissamcuttack are important.

Other than the above mentioned minerals, minor minerals such as river sand, laterite slabs, building stone/black stone/road metals, morrum, brick earth etc. are also available in the district.



### 3. GENERAL PROFILE

#### a. Administrative set up:

Sl No	Item	Unit	Magnitude
1	Location		
	Longitude	Degree	82°54' to 84°02' East
	Latitude	Degree	19° 00' to 19°58' North
2	Geographical area	Sq.Km.	7073
3	Sub-division	Numbers	2
4	Tahasils	Numbers	11
5	C D Blocks	Numbers	11
6	Municipalities	Numbers	2
7	NACs	Numbers	1
8	Police Stations	Numbers	17
9	Gram Panchayats	Numbers	182
10	Villages	Numbers	2665
	Inhabited	Numbers	2468
	Uninhabited	Numbers	197
11	Assembly constituencies	Numbers	3

#### b. Area and Population:

The district has an area of 7073 sq.kms and 9.68 lakhs of population as per 2011 census. The district accounts for 4.54 percent of the states territory and shares 2.31. percent of the state's population. The density of population of the district is 137 per sq. kms. As against 270 person per sq.km of the state. It has 2667 villages (including 200 un-inhabited villages) covering 11 blocks, 11 Tahasils and 2 Subdivisions. As per 2011 census the schedule caste population is 139514 ( 14.4 %) and schedule tribe population 541905( 56.0%). The literacy percentage of the district covers 49.8 against 72.9 of the state.

#### c. Climate :

The climate condition of the district is generally hot with high humidity during May and June and cold during November and December. The monsoon

generally breaks during the month of June. Average annual rainfall of last four years was 1299.1 mm which is more than the normal rainfall (1285.9 m.m).

**d. Economy:**

The district is rich in bauxite deposit suitable for alumina plant for which mining of bauxite and alumina plant have become the second source of income of the district next to agriculture.

**e. Industry:**

No. of MSME units set up	Investment (In Rs. crores)	Employment Generated				Employment of women
		SC	ST	General	Total	
1721	9457.17	1030	1277	2237	4544	125

**f. Agriculture:**

During the year 2017-18 the net area sown was 174 thousand hectares against 5356 thousand hectares of the state. The production of was as below:

Name	Paddy	Wheat	Moize	Mung	Bir	Kulthi	TILL	Groundnut	Mustard	Potatoes	Jute	Sugarcane
Production in 000 MT	153.11	0.20	46.50	1.42	5.27	4.37	2.20	3.58	1.53	0.00	3.60	29.9

During 2017-18, the total fertilizers used in the district was about

Type of fertiliser	Nitrogenous	Phosphatic	Pottasic	Total	Consumption per Ha
Quantity in MT	10204	3632	1532	15368	69.25

**g. Transport & Communication:**

Railway route length (14-15) km	176.69
No of Rly stations and PH(14-15)	27
Forest road (17-18) km	210.51
National Highway (16-17) km	122.70
State Highway (17-18) km	171.81
Major district road (17-18) km	97.30
Other dist road (17-18) km	274.95
Rural road(17-18) km	1670.32
Inter village road (16-17) km	3812.36
Intra village road (16-17) km	2537.12



#### h. Health:

The medical facilities are provided by different agencies like Govt., Private individuals and voluntary organizations in the district.

Sub divisional hospitals including mobile	20 No
Beds facilities	291 No
Homoeopathic dispensaries	19 No
Ayurvedic dispensaries	14 No

#### i. Tourist places:

There are 7 nos. of tourist center such as Bissam-Cuttack, Chatikona, Devagiri, Hatipathar, Minajhola, Niyamgiri hill and Padmapur identified by department of Tourism and Culture, Odisha. During 2010-11, the numbers of Domestic tourists were 374095 and foreign tourists were 435 who visited the tourists spots of the district.

#### j. Forest areas:

Category of forest	Area in sq km
Reserve Forest	771.62
Unclassified Forest	0.96
Demarcated Protected Forest (DRF)	1147.19
Undemarcated Protected Forest	0
Other forest under Revenue Dept	892.56
<b>Total</b>	<b>2812.33</b>

#### k. Education:

Primary School (2017-18)	No. of Schools	1345
	Enrolment (No)	110686
	Pupil Teacher Ratio	22.14
Upper Primary School 2017-18	No. of Schools	573
	Enrolment (No)	51686
	Pupil Teacher Ratio	19.74
General College 2017-18	Junior	31
	Degree	11
Secondary School	No. of Schools	233
	Enrolment (No)	23074
	Pupil Teacher Ratio	31.70
Literacy Rate, 2011	Male	61.0
	Female	39.2
	Total	49.8

#### 4. GEOLOGY

The rock types exposed in the district can broadly be grouped into Eastern Ghat Supergroup, granite gneiss and Quaternary formations. Eastern Ghat Supergroup are represented by quartz-garnet-sillimanite graphite schist, garnet sillimanite schist, quartzite, calc granulite etc, belonging to khondalite group and acid to intermediate charnockite with minor basic charnockites constitute the Charnockite Group. These are intimately associated with garnetiferous granite gneiss and leptynite. The Eastern extremity of the district is occupied by granite gneiss. The litho boundaries and structure show a general north-south strike with easterly dip. All the rock types have attained granulite facies of metamorphism. Except for the lateritic patches over the granulites, Quaternary formations are mostly confined to the Nagabaili and Banshadhara river basins and catchment area.

The geological succession in the district is as follows:

#### STRATIGRAPHY:

Age	Super Group	Group	Lithology
Late Holocene		Present flood deposit	day Soil/Alluvium plain
Cainozoic			Laterite/ Lateritic bauxite
Archaean	Eastern Ghat Super Group	Charnockite Group	Garnetiferous Granite gneiss
		Khondalite Group	Leptynite Acid/intermediate charnockite Basic charnockite Quartz-garnet-sillimanite schist/gneiss Quartzite Calc silicate

#### 5. DRAINAGE AND IRRIGATION PATTERN.

There are four main river streams flows through this District. They are Sana Nala Tributary, Badanala Tributary, Sikarpai Tributary and Bhanginalla Tributary which are



the tributaries of the main River Nagavalli and River Bansadhara. The details are as under.

DRAINAGE SYSTEM WITH DESCRIPTION OF MAIN RIVER								
Name of the River	Place of origin	Altitude of origin	Total length in the district (in km)	Area drained (sq km)	% Area drained in the district	Process of deposition of sediments	Volume of sand deposited in last 3yrs(year wise)	Any important note
b	c	d	e	f	g	h	i	J
Sananalla (Tributary of Nagavalli River)	Singar i	560.00	6.00	61.00	100.00	Soil, sand & rocks are added to a land through the process of weathering and transportation of existing land mass by wind, water, gravity etc and deposition of the said transported material takes place due to loss of kinetic energy building up layers of sediments.	Nil	
Bodanala (Tributary of Nagavalli River)	Singar i	550.00	8.00	180.00	100.00		Nil	
Sikarpai (Tributary of Nagavalli River)	Kharj ada	580.00	25.00	60.00	100.00		Nil	
Bhanginalla (Tributary of Bansadhara River)	Mundi padar	540.00	15.00	166.00	100.00		Nil	

Rayagada district is rich in water resources. A series of check dams have been constructed across various distinct nallahs for in-stream storage, ground water recharge, incidental irrigation during late Khariff and Rabi by storing water at the end of monsoon mainly through lifting devices as well as canal flow, irrigation use of water flowing down drainage channels, and other uses like bathing, washing, recreation etc. By the end of July 2019, 861 nos. of Check Dams have been accorded administrative approval. Out of these, 789 nos. of check dams have been completed achieving an ayacut of 4973 Ha., 52 nos of Check Dams are in progress and 20 nos of Check Dams are dropped due to various reasons.

#### 6. LANDUSE PATTERN

SI No	Landuse	Area in '000Ha
1	Forest Area	281
2	Misc. trees & Grooves	18
3	Permanent Pasture	26
4	Culturable Waste	22
5	Land put to Non Agril Use	124
6	Barren & Unculturable Land	38
7	Current Fallow	19
8	Other Fallow	5
9	Net Area Sown	174
10	Mining	
	Geographical Area	707



## 7. SURFACE WATER & GROUND WATER SCENARIO

The drainage systems i.e. rivers of the district gets filled with water during the monsoon and the gradually it decreases from the month of January to June of each year. In the summer season all rivers become almost dry excepting narrow flow of water within the basin.

The variation of ground water table in the district is as follows:

Depth of water level (mbgl)/ Period	April	August	November	January
Minimum	2.15	0.80	1.1	1.65
Maximum	12.6	10.40	9.4	11.0

## 8. RAINFALL & CLIMATIC CONDITION

The climate of the district is typically tropical to sub tropical with three distinct seasons e.g. Summer, Winter and Monsoon. December is the coldest month with mean daily average temperature of 20 degree celcius which reaches 42 degree celcius in May. The rain fall in the area is mostly from the South west monsoon lats from middle of June to October. The average annual rainfall varies from 1031.21 mm to 1569.50 mm.

MONTH WISE RAINFALL (mm) DATE OF THE DISTRICT (LAST 3 YEARS) (DISTRICT OFFICE)													
F. year /month	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR CH	TO
2015-16	114.2	63.2	257.2	152.4	244.9	266.2	25.4	13.6	8.5	8.0	5.9	37.6	11
2016-17	25.9	78.7	188.0	267.8	239.2	199.3	87.7	0.8	0.0	3.9	0.0	46.3	11
2017-18	5.1	70.4	221.2	363.6	281.7	184.7	178.7	26.1	0.0	0.0	0.0	0.5	13
2018-19	111.2	80.4	136.1	457.9	392.4	153.5	120.0	0.9	61.7	1.2	3.4	11.4	15
AVG	27.8	20.1	34.0	114.5	98.1	38.4	30.0	0.2	15.4	0.3	0.8	2.9	12

## 9. DETAILS OF MINING LEASES OF ROAD METAL

Attached vide Annexure I

## 10. DETAILS OF ROYALTY COLLECTED (Rs)

Sl.No	Name Of Tahasil	2015-16	2016-17	2017-18	2018-19
1	Kolnara	278460	1559870	3161524	2925000
2	Rayagada	1745450	2091680	4023728	4119826
3	Gunpur	1110798	1272270	1334676	1057839
4	Kalyansinghpur	0	0	380814	0
5	Muniguda	289578	530037	768370	7748595
6	Gudari	0	0	0	120285
7	Padmapur	563000	1868000	2010000	1381446
8	Kashipur	0	0	613936	0
9	Bissam Cuttack	0	484637	782335	18135326
<b>TOTAL</b>		<b>3987286</b>	<b>7806494</b>	<b>13075383</b>	<b>18135326</b>



## 11. DETAILS OF PRODUCTION OF MINOR MINERAL

Yearwise Production of Road metal in cum

Sl.No	Name of Tahasil	2015-16	2016-17	2017-18	2018-19
1	Kolnara	2142	11999	23452	25448
2	Rayagada	13367	15977	31524	30534
3	Gunpur	8594	8559	8560	3950
4	Kalyansinghpur	0	4085	4180	4275
5	Muniguda	7275	7725	8310	56038
6	Gudari	0	0	1800	1836
7	Padmapur	8475	10147	12285	5985
8	Kashipur	5500	5500	5500	5500
9	Bissam Cuttack	3483	5483	31343	31343
<b>TOTAL</b>		<b>48836</b>	<b>69475</b>	<b>126954</b>	<b>164909</b>

## 12. MINERAL MAP OF THE DISTRICT

Attached as Plate No 4.

## 13. LIST OF LOI HOLDERS ALONG WITH VALIDITY

List enclosed as Annexure II

## 14. TOTAL MINERAL RESERVE AVAILABLE IN THE DISTRICT

Total mineral reserve of road metal/buildingstone/blackstone/white stone is 17,22,14,175 cum which may increase after detail investigation.

Details of the potential areas submitted as Annexure III.

## 15. QUALITY/GRADE OF MINERAL

Road metal/building metals of the district are very much suitable for various construction purposes after its crushing and screening. The in-situ rocks are fractured making these unsuitable for decorative purpose.

## 16. USE OF MINERAL

Road metal/building metals of the district are used mainly for various construction purposes like road making, concrete making, dams etc.

## 17. DEMAND & SUPPLY OF THE MINERAL

The tentative annual demand is to the tune of 10 lakh cum of road metal and is mainly supplied from different tahasils of the district and adjoining districts of Koraput and Gajapati.

## 18. MINING LEASES MARKED ON THE MAP OF THE DISTRICT.

Attached as Plate No 5.

## 19. DETAILS OF AREAS WHERE THERE IS A CLUSTER OF MINING LEASES

Not applicable

## 20. DETAILS OF ECO-SENSITIVE AREA

Not applicable.

## 21. IMPACT ON THE ENVIRONMENT (AIR, WATER, NOISE, SOIL FLORA & FAUNAL, LAND USE, AGRICULTURE, FOREST ETC.) DUE TO MINING

### Activities attributed to Mining:-

Generally, the environment impact can be categorized as either primary or secondary. Primary Impacts are those, which are attributed directly by the project. Secondary impacts are those which are indirectly induced and typically include the associated investment and changed pattern of social and economic activities by the proposed action.

The impact has been ascertained for the project assuming that the pollution due to mining activity has been completely spelled out under the base line environmental status for the entire ROM which is proposed to be exploited from the mines.

### Impact on Ambient Air

Mining operation are carried out by opencast manual, semi mechanized/ mechanized methods generating dust particles due to various activities likes, excavation, loading, handling of mineral and transportation. The air quality in the mining areas depends upon the nature and concentration of emissions and meteorological conditions.

The major air pollutants due to mining activities include:-

- Particulate matter (dust) of various sizes.
- Gases, such as sulphur dioxide, oxides of nitrogen, carbon monoxide etc from machine & vehicular exhaust.

Dust is the single air pollutant observed in the open cast mines. Diesel operating drilling machines, blasting and movement of machineries/ vehicles produce NO<sub>x</sub>, SO<sub>2</sub> and CO emissions, usually at low levels. Dust can be of significant nuance surrounding land user and potential health risk in some circumstances.



### **Water Impact**

Sometimes the mining operation leads to intersect the water table causing ground water depletion. Due to the interference with surface water sources like river, nallah etc drainage pattern of the area is altered.

### **Noise Impact**

Noise pollution mainly due to operation of machineries and occasional plying of machineries. These activities will create noise pollution in the surrounding area.

### **Impact on Land environment**

The topography of the area will change certain changes due to mining activity which may cause some alteration to the entire eco system.

### **Impact on Flora & Fauna**

The impact on biodiversity is difficult to quantify because of its diverse and dynamic characteristics.

Mining activities generally result in the deforestation, land degradation, water, air and noise pollution which directly or indirectly affect the faunal and flora status of the project area.

However, occurrence and magnitude of these impacts are entirely dependent upon the project location, mode of operation and technology involved.

## **22. REMEDIAL MEASURES TO MITIGATE THE IMPACT OF MINING ON THE ENVIRONMENT:-**

### **Air**

Mitigation measures suggested for air pollution controls are to be based on the baseline ambient air quality of the project/cluster area and would include measures such as:

- Dust generation shall be reduced by using sharp teeth of shovels.
- Wet drilling shall be carried out to contain the dust particles.
- Controlled blasting techniques shall be adopted.

- Water spraying on haul roads, service roads and overburden dumps will help in reducing considerable dust pollution.
- Proper and regular maintenance of mining equipments have to be undertaken.
- Transport of materials in trucks are to be covered with tarpaulin.
- The mine pit water can be utilized for dust suppression in and around mine area.
- Information on wind diction and meteorology are to be considered during planning, so that pollutants, which cannot be fully suppressed by engineering techniques, will be prevented from reaching the nearby agricultural land, if any.
- Comprehensive greenbelt around overburden dumps and periphery of the mining projects/clusters has to be carried out to reduce to fugitive dust transmission from the project area in order to create clean & healthy environment.

#### **Water**

- Construction of garland drains and settling tanks to divert surface run-off of the mining area to the natural drainage.
- Construction of checks dams/ gully plugs at strategic places to arrest silt wash off from broken up area.
- Retaining walls with weep hole are to be constructed around the mine boundaries to arrest silt wash off.
- The mined out pits shall be converted in to the water reservoir at the end of mine life. This will help in recharging ground water table by acting as a water harvesting structure.
- Periodic analysis of mine pit water and ground water quality in nearby villages are to be undertaken.
- Domestic sewage from site office & urinals/latrines provided within ML/QL areas is to be discharged in septic tank followed by soak pits.

#### **NOISE**

- Periodic maintenance of machineries, equipments shall be ensured to keep the noise generated within acceptable limit.



- Development of thick green belt around mining/cluster area, haul roads to reduce the noise.
- Provision of earplugs to workers exposed to high noise generating activities like blasting, excavation site etc. Worker and operators at work sites will be provided with earmuffs.
- Conducting periodical medical checkup of all workers for any noise related health problems.
- Proper training to personnel to create awareness about adverse noise related effects.
- Periodic noise monitoring at locations within the mining area and nearby habitations to assess efficacy of adopted control measures.
- During blasting optimum spacing, burden and charging of holes will be made under the supervision of competent qualified mines foreman, mate etc.

#### **Biological Environment**

- Development of green belt/gap filling saplings in the safety barrier left around the quarry area/ cluster area.
- Carrying out thick greenbelt with local flora species predominantly with long canopy laves on the inactive mined out upper benches.
- Development of dense poly culture plantation using local floral species in the mining areas at conceptual stage if the mine is not continued much below the general ground level.
- Adoption of suitable air pollution control measures as suggested above.
- Transport of materials in trucks covered with tarpaulin.

#### **23. RECLAMATION OF MINED OUT AREA (BEST PRACTICE ALREADY IMPLEMENTED IN THE DISTRICT, REQUIREMENT AS PER RULES AND REGULATION, PROPOSED RECLAMATION PLAN) :-**

As per statute all mines/quarries are to be properly reclaimed before final closure of the mine. Reclamation of exhausted mines are planned to be undertaken in below three possible means:

1. If, substantial amount of waste is there, the exhausted quarry can be fully or partly backfilled using the stored waste. The backfilled areas are to be brought under plantation of local species.

2. If the generation of waste is much less as in the case of minor mineral mining, the exhausted quarries can be reclaimed by
  - a. Plantation on the broken up surface if the depth of quarry is not much below the surrounding surface level.
  - b. Converted to water reservoir after stabilization of the slopes if the exhausted quarry continues much below the surrounding surface level. It is preferred to cordon the water reservoir either through wire fencing or retaining wall with plantation from the safety point of view.

Most of the quarry/mining lease areas are yet to be exhausted from ore point of view. Hence, reclamation would be taken up only after exhaustion of the ore/mineral content from these areas. The exhausted minor mineral quarries of the district have been converted to water reservoirs.

#### **24. RISK ASSESSMENT & DISASTER MANAGEMENT PLAN**

The only risk involved related to mining of minor mineral excepting natural calamities is slope failure and probable accidents due to high and ill maintained bench walls. This can only be addressed through making of regular benches and undertaking mining in benching pattern.

The disaster management plan (DMP) is supposed to be a dynamic, changing, document focusing on continual improvement of emergency response planning and arrangements.

The disaster management plan is to be aimed to ensure safety of life, protection of environment, protection of installation, restoration of production and salvage operations in this same order of priorities. For effective implementation of the disaster management plan, it should be widely circulated through rehearsal/induction conducted by the respective department from time to time.

#### **General responsibilities of employees' during an emergency:**

During an emergency, it becomes more enhanced and pronounced when an emergency warning is raised, the worker in charge, should adopt safe and emergency shut down and attend to any prescribed duty. If no such responsibility is assigned, the workers should adopt a safe course to assembly



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point and wait instructions. He should not resort to spread panic. On the other hand, he must assist emergency personnel towards objectives of DMP.

**Co-ordination with local authorities:**

The Mine Manger who is responsible for emergency will always keep a jeep ready at site. In case of any eventuality; the victim will be taken to the nearby hospitals after carrying out the first aid at the site. The Manger should collect and have adequate information of the nearby hospitals, fire station, police station, village panchayat heads, taxi stands, medical shops, district revenue authorities etc, and use them efficiently during the case of emergency.

**25. DETAILS OF THE OCCUPATION HEALTH ISSUES IN THE DISTRICT. (LAST FIVE- YEAR DATA OF NUMBER OF PATIENTS OF SILICOSIS & TUBERCULOSIS IS ALSO NEEDS TO BE SUBMITTED):-**

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As per the guidelines of the Mine Rules 1995, occupational health safety has been stipulated by the ILO/WHO. The proponent's will take necessary precautions to fulfill the stipulations. Normal sanitary facilities have to be provided within the lease area. The management will carry out periodic health checkup of workers.

Occupational hazards involved in mines are related to dust pollution, noise pollution, blasting and injuries from moving machineries & equipment and fall from high places. DGMS has given necessary guidelines for safety against these occupational hazards. The management has to strictly follow these guidelines.

All necessary first aid and medical facilities are to be provided to the workers. The mine shall be well equipped with personal protective equipment (PPE). Further, all the necessary ported equipments such as helmet, safety goggles, earplugs, earmuffs etc are to be provided to mine workers as per Mines Rules. All operators and mechanics are to be trained to handle fire fighting equipments.

There is no case of Silicosis found in the district within the time frame mentioned above.

**26. PLANTATION OF GREEN BELT DEVELOPMENT IN RESPECT OF LEASES ALREADY GRANTED IN THE DISTRICT**

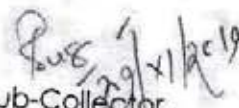
**26. PLANTATION OF GREEN BELT DEVELOPMENT IN RESPECT OF LEASES ALREADY GRANTED IN THE DISTRICT**

As most of the minor mineral mines/quarries of the district are yet to be exhausted of their mineral content no sort of reclamation measures including plantation has been undertaken excluding gap plantation of local species in the peripheral safety zones of the quarries/ clusters and in some of the haul roads.

**27. ANY OTHER INFORMATION**


Nil

APPROVED BY DEIAA COMMITTEE, RAYAGADA

  
Sub-Collector,  
Rayagada  
-cum-  
Member Secretary,  
DEIAA  
Rayagada

  
Sri A.K. Sharda,  
President  
Dandakaranya NGO,  
-cum-  
EXPERT Member,  
DEIAA Rayagada

  
Divisional Forest Officer,  
-cum-  
Member, DEIAA,  
Rayagada

  
COLLECTOR  
-cum-  
Chairperson,  
DEIAA, Rayagada



ROAD METAL/ BLACKSTONE/WHITESTONE ALREADY  
LEASED OUT AND EXECUTED

ANNEXURE I

Sl. No.	Name of Tahsil	Name of Minor	Name of village	Name of lessee	Address & contact No of lessee	Mining lease grant order No & date	Period of QL		Date of commencement of mining operation	Status (working E/ non-working /Temp working for departh )	Capitve or Non-capitve	Lt No & date of grant of EC	Location of Resource (GPS co-ordinates or Khata & Plot No) (Sketch map to be attached)	Longitude			Latitude			Method of mining	Area leased for mineral concesion (in sq m)	Mineable mineral potential as per approved mining plan (in cum)
							From	To						D	M	Sec	D	M	Sec			
1	Ko In ar a	Haz arid ang V	Haza rida ng	MRSB Verma	Rayaga da	1690 /09.0	20 16-17	20 20	13.12.2016	Working	Non-capitve	745/20.09.16	K-6,P-84	83	30	07.92	19	15	12.34	OC	12140.5	112417
2	Ko In ar a	Haz arid ang VI	Haza rida ng	Bhaska Mishra	Rayaga da	3200 /11.1	20 16-17	20 20	27.07.2018	Working	Non-capitve	359/25.03.17	K-6,P-98	83	29	56.60	19	14	50.00	OC	12140.5	255888
3	Ko In ar a	Gua kon a III	Cua kona	P Arun Choud hry	Rayaga da	422/09.03.2015	20 15-16	20 19	11.01.2016	Working	Non-capitve	2496/22.0	K-27,P-195/1	83	28	12.0	19	13	10.5	OC	20234.28	257127
4	Ko In ar a	Cha mpi a	Cha mpia	P Arun Choud hry	Rayaga da	2022 /24.0	20 17-18	20 21	19.02.2019	Working	Non-capitve	455/03.08.18	K-26,P-137	83	29	04.86	19	12	10.28	OC	10117.1	82525
5	Ko In ar a	Pipa lgud a	Pipal guda	Jalandh ar Naik	Rayaga da	2594 /15.0	20 16-17	20 20	22.11.2018	Working	Non-capitve	459/03.08.2018	K-20,P-23/1	83	29	46.08	19	13	59.04	OC	40468.56	513760

6	In ar a	Harid ang	Haz rida ng	r Bhaska	Rayaga da	2025 /24.0	20 17-18	20 21-22	07.12.2018	Working	Non-capit ve	1742 /11.1	K-6, P-37	83	29	45.66	19	15	1.66	OC	12140.5	84625
7	In ar a	Pipal guda	P Ramakr ishna	Rayaga da	2214 /05.0	20 17-18	20 21-22	12.10.2018	Working	Non-capit ve	1740 /11.1	K-20, P-20,36	83	29	44.82	19	13	55.20	OC	8093.71	29044	
8	In ar a	Haz ang Vil	Haza rida ng	Rayaga da	3246 /22.1	20 16-17	20 20-21	10.08.2018	Working	Non-capit ve	147 /12.03	K-6, P-98	83	30	00.00	19	14	54.19	OC	40468.56	148230	
9	In ar a	Bot hodi	Both odi	Rayaga da	2031 /24.0	20 17-18	20 21-22	03.08.2018	Non-working	Non-capit ve	561 /18.08	K-18, P-178	83	30	10.03	19	15	20.22	OC	20234.28	14868	
10	Ra ya ga da	GO NDA	GOG OND A	Debod olla	1544 /19.17	20 17-18	20 21-22	21.6.18	Working	Not Capit ve	135 /12.3.18	K-12, P-19	83	28	42.9	19	11	55.40	OC	10117.15	94395	
11	Ra ya ga da	MA OJH OLL A-1	MA NTR OJH OLL A-1	JL Patel	1169 /21.6.17	20 17-18	20 21-22	28.3.18	Working	Not Capit ve	143 /12.3.18	K-20, P-139	83	28	7	19	12	47.48	OC	20234.3	157109	
12	Ra ya ga da	KASI LI-III	KASI LI-III	P Ram Murty	1829 /19.10.15	20 15-16	20 19-20	1.9.16	Working	Not Capit ve	512 /5.7.16	K-30, P-188	83	27	32.06	19	12	16.16	OC	12140.58	205259	
13	Ra ya ga da	MA NTR OJH OLL A-II	MA NTR OJH OLL A-II	P Arun choudu ry	2245 /1.7.17	20 17-18	20 21-22	21.6.18	Working	Not Capit ve	137 /12.3.18	K-20, P-40	83	28	1.98	19	12	51.26	OC	10117.15	53855	



1	Ra ya ga da	MA NTR OJH OLL	MA NTR OJH OLL	Narasin gha Manda ngi	Manthro jholla	1578 /28.8 .15	20 15- 16	20 19 20	20 8.1 6	Working	Not Capit ve	468/ 5.7.1 6	K-20, P-116	83	27	58. 92	19	12	55. 29	OC	12140. 58	109949
4	Ra ya ga da	MA NTR OJH OLL	MA NTR OJH OLL	Rames h Choura sia	JK Pur	2151 /21.6 .17	20 16- 17	20 20 21	4.7.18	Working	Not Capit ve	133/ 12.3. 18	K-30, P-122	83	27	33. 14	19	12	19. 39	OC	12140. 58	108906
1	Ra ya ga da	GO NDA	GOG OND A-I	Hanisc Ch Behera	Manthro jholla	1580 /28.8 .15	20 15- 16	20 19 20	26.8.1 6	Working	Not Capit ve	488/ 5.7.1 6	K-12, P-19	83	28	25. 47	19	11	43. 51	OC	8033.7 2	80294
6	Ra ya ga da	MA NTR OJH OLL	MA NTR OJH OLL	Mada Rao Kondag ori	Rayaga da	1584 /28.8 .15	20 15- 16	20 19 20	1.12.1 6	Working	Not Capit ve	474/ 5.7.1 6	K-20, P-112	83	26	56. 10	19	13	4.3 7	OC	20234. 3	179586
1	Ra ya ga da	BILL ESU	BILL ESU	A Lokesh	Rayaga sda	1586 /7.9. 17	20 17- 18	20 21 22	26.4.1 8	Working	Not Capit ve	129/ 12.3. 18	K-70, P-40	83	23	34. 02	19	00	26. 83	OC	12140. 58	100121
8	Ra ya ga da	MA NTR OJH OLL	MA NTR OJH OLL	P Kasi Naidu	Kotape ta	1651 /9.9. 15	20 15- 16	20 19 20	26.10. 16	Working	Not Capit ve	476/ 5.7.1 6	K-20, P-122	83	27	54. 1	19	12	50. 9	OC	12140. 58	67076
1	Ra ya ga da	MA NTR OJH OLL	MA NTR OJH OLL	D.K.Th akar	Rayaga da	2169 /21.6 .17	20 17- 18	20 21 22	28.3.1 8	Working	Not Capit ve	191/ 12.3. 18	K-20, P-118	83	28	02. 62	19	12	39. 55	OC	20234. 3	189447
2	Ra ya ga da	MA NTR OJH OLL	MA NTR OJH OLL	R R Pati	Rayaga da	2170 /21.6 .17	20 17- 18	20 21 22	3.4.18	Working	Not Capit ve	131/ 12.3. 18	K-30, P-119	83	27	56. 32	19	12	40. 41	OC	12140. 58	112976

2	Ra ya ga da	KASI L-I	KASI L-II	R R Pati	Rayaga da	1582 /28.8 .15	20 15-16	19 20	26.8.1 6	Working	Not Capti ve	518/ 5.7.1 6	K-30, P-188	83	27	29. 16	19	12	3.6 5	OC	12140. 58	88636
2	Ra ya ga da	GO NDA -III	GOG OND A-III	M Prakas h Rao	Gogon da	710/ 27.5. 16	20 16-17	20 21	19.9.1 6	Working	Not Capti ve	508/ 5.7.1 6	K-12, P-118	83	28	29. 86	19	11	38. 55	OC	24281. 16	277783
2	Ra ya ga da	KULU	KULU	P Arun droudu ry	Debod olla	2244 /1.7. 17	20 17-18	20 22	21.6.1 8	Working	Not Capti ve	139/ 12.3. 18	K-58, P-18	83	28	6.5 1	19	12	42. 40	OC	16187. 44	269973
2	Ra ya ga da	MA NTR OJH OLL A-VII	MA NTR OJH OLL A-VII	JL Patel	Rayaga da	2225 /17.1 .15	20 15-16	20 19	28.3.1 8	Working	Not Capti ve	147/ 12.3. 18	K-20, P-102	83	28	7.0	19	12	47. 48	OC	20234. 3	180500
2	Ra ya ga da	RAI PUR	RAIP UR	R lachi Naidu	Rajpur	1845 /29.1 0.15	20 15-16	20 19	22.11. 16	Not working	Not Capti ve	472/ 5.7.1 6	K-8, P-1	83	25	1.7 6	19	04	17. 27	OC	20234. 3	57582
2	G un pur I SQ	G un pur I SQ	G un pur	Prodee p Ch. Jogi	Sourap radhan iguda, R ayagada, Ph- 943706 3254	L.No. 1639 /15 dt.02 .07.2 015	20 15-16	20 19	02.07. 2015	Working	Non-Capiti ve	3509 /SEIA ADt.2 2/06 /201 5	K. No- 330, pho- 1522, Ac.11.00	83	49	58. 7	19	05	19. 05	OC	44515. 46	11050
2	G un pur SQ	G un pur SQ	G un pur	Nilakan thalogi	Sourap radhan iguda, Rayaga da, Ph- 824949 7094	L.No. 1638 /15 dt.02 .07.2 015	20 15-16	20 19	01.07. 2015	Working	Non-Capiti ve	3517 /SEIA ADt.2 2/06 /201 5	Khata-330, plotno- 1522, Ac.10.10	83	48	47. 8	19	05	54. 9	OC	40873. 24	11000



29	G	Chakrabhata SQ	Chakrabhata	Srinivas Shu	Niladri bihar lane-2, Gungurpur, Rayagada, Ph-9438105497	L.No. 1640 /15, Dt.02.07.2015	2015	2015	02.07.2015	Working	Non-Captive	3521 /SEIA ADT.2 /2015	Khata-07, plotno-33, Ac.10.00	83	46	16	19	05	50	01	OC	40468.6	8600
30	G	Lobasa SQ	Lobasa	K.Nagbhhusan	Chalakamba, Rayagada, Ph-8455963455	L.No. 1882 /15 dt.25.07.2015	2015	2015	25.07.2015	Working	Non-Captive	3507 /SEIA ADT.2 /2015	Khata-105, plotno-100, Ac.4.39	83	51	12	19	11	19	50	OC	17765.69	12333
31	K. Singhpur	Kani SQ	Kani	MS RB Verma	Rayagada, 9437445799	464/9.10.2017	2017	2017	09.10.2017	Working	Non-Captive	293/12.06.2017	K-31 P-40	83	18	14	19	22	12	08	OC	18000	140782
32	M	Kantabhai SQ	Kantabhai	Akshra Kumar Rana	Bissamcuttack, Rayagada 8093031950	599/ Dt. 09.03.2017	2017	2017	01.04.2017	Working	Non-Captive	2259 /Dt. 30.11.2016	K. N-114. Pl. No. 790	83	33	58	19	39'	39	4"	OC	80000 Sq. M	315861
33	M	Bada Manjura SQ	Bada Manjura	Ratanlal Jain	Muniguda, 7978703349	3616 /Dt. 26.08.2017	2017	2017	01.04.2017	Working	Captive	522/ D/EIA A. Dt. 05.07.2016	K. No-17, Pl. No. 54	83	27	12	19	45'	58	80"	OC	18840 Sq. M.	62066
34	M	Ambedkar SQ	Ambedkar	Ratanlal Jain	Muniguda, 7978703349	3616 /Dt. 26.08.2017	2017	2017	01.04.2017	Working	Captive	1981 /SEIA A. Dt. 12.09.2016	K. No. 186, Pl. No. 668	83	28	59	19	49'	29	20"	OC	110480 Sq. M	146313

35	Gudari SQ	Kara sing SQ	Balipanga /	K. Ramakrishna	Boliguda, Poda, Gulari, 993843	1533 / 14.09	2017	2018	2019	03.12.2019	Working	Non-Captive	688/27.11.2018	K. No-14, Pl. No. 53	83	49	44.86	19	20	3.23N	OC	18200	10520
36	Pa damapur	Khilamu nda-II SQ	Khila mun da-II	J.VENKAT RAO, UKKA MBA	AT-UKKA MBA 865879 8945	486/25.03.2015	2015	2016	2016	27.12.2016	working	Non-Captive	755/20.09.2016 (D)	Khata No.-16, plot no-9	83	49	43	19	15	30.2	OC	1463	12500
37	Pa damapur	Akh usin g SQ	Akh usin g	D.R.BHARAT, MD ASIP-SIPL (JV)	Khilam unda 993704 6560	1526 / 10.09.2015	2015	2015	2015	10.09.2015	working	Non-Captive	4122 / 17.08.2015	Khata No.-114, plot no-467	83	49	58.55	19	15	57.51	OC	321	6649
38	Pa damapur	Khilamu nda-I SQ	Khila mun da-I	D.R.BHARAT, MD ASIP-SIPL (JV)	Khilam unda 993704 6560	1527 / 10.09.2015	2015	2015	2015	10.09.2015	working	Non-Captive	4124 / 17.08.2015	Khata No.-16, plot no-114	83	49	58	19	15	49.2	OC	35410	28728
39	Kashipur	Sargiguda SQ	Sargiguda	Srinivas Rao	Gandhi Nagar, 2nd lane, Rayagada, 9437966369	490/05.07.2016	2016	2016	2016	15.02.2017	working	Non-Captive	490/05.07.2016	Khata No.71 Plot No.126,199,205,206 & 207	83	07	26.7	19	11	09.7	OC		
40	Kashipur	Mu nda gao n-II SQ	Mun daga on-II	Dwitija Chanda Panda	Brahmi n Street, Rayagada, 943909 3333	492/05.07.2016	2016	2016	2016	15.02.2017	working	Non-Captive	492/05.07.2016	Khata No.290 Plot No.1167	83	03	45.4	19	08	41.6	OC	2290.5	19532





## ANNEXURE II

## SOURCES ALREADY AUCTIONED BUT NOT EXECUTED (LOI ISSUED)

Sl. No	Name of Tahasil	Name of village	Name of Minor Mineral	Name of the Successful auction holder	Address & Contact No of Letter of Intent Holder	Letter of Grant Order No. & date	Validity of loi	Use (Captiv e/ Non-Captive )	Location of the Source recommended for mineral concession (GPS co-ordinates or Khata & Plot No) (Sketch map to be attached)	Longitude			Latitude			Area of the mineral potential patch (in sq m)	Mineable mineral potential (in cum)
										Deg ree	Min ute	Seco nd	De gr ee	Min ute	Seco nd		
1	Kolnara	Jharadi	Jharadi	Ganesh Prasad Chaurasia	J.K. Pur	3057/25.1 0.18	2022-23	Non CAP	K-47, P-350	83	36	54.23	19	12	26.93	12141	169974
2	Kolnara	Hajarida	Hajaridang	MSRB Verma	Rayagada	1689/25.0 6.19	2023-23	Non CAP	K-6, P-37	83	29	46.94	19	15	11.61	20234	283276
3	Kolnara	Hajarida	Hajaridang	MSRB Verma	Rayagada	1690/25.0 6.19	2023-24	Non CAP	K-6, P-99	83	29	47.22	19	15	16.23	20234	283276
4	Kolnara	Jamuli bedi	Jamuli bedi	All Kurnar Das	Rayagada	1691/25.0 6.19	2023-24	Non CAP	K-21, P-203	83	29	59.41	19	14	59.95	40469	566566
5	Kolnara	Guakona	Guakona	Saskant Sutar	Jaypur	3310/17.1 1.18	2022-23	Non CAP	K-27, P-197/1	83	27	57.27	19	13	8.33	12141	169974
6	Ramanaguda	Tumbakona	Tumbakona	Sri Chandra Sekhar Panigrahi	Gunapur Dist Rayagada	974 Dated: 01.07.19	2023-24	Non CAP	Khata No 21 Plot No 13 Area in Ac:2.00	83	40	29.17	19	10	49	8000	112000
7	Rayagada	DUMAGUDA	DUMAGUD	SRINWAS H RAO	RAYAGAD A	3060/20.7 18	2022-23	Non CAP	K-27, P-20	83	26	5.11	19	120	29.55	20234.3	283280.2
8	Rayagada	KASLI	KASLI-IV	L SURESH	KOTABET A	333/29.1 18	2022-23	Non CAP	K-30, P-231	83	27	83.94	19	12	29.03	12140.5	169967
9	Rayagada	GOGONDA	GOGONDA	SANKARI HEBRIKA	UTKAPAD U	719/26.2 18	2022-23	Non CAP	K-12, P-119	83	28	39.79	19	11	42.26	16187.4	226623.6



10	Rayagada	KASILI	KASILI	MARUTI KU SWAIN	CUTTACK	4267/20.1 0.18	2022- 23	Non CAP	K-30,P-188	83	27	83.94 3	19	12	29.03 7	8093.7	113311.8
11	Rayagada	GUMMA	GUMMA-II	B RAGHURA M	KERADA	460/5.2.1 8	2022- 23	Non CAP	K-18, P-107	83	17	30.0	19	11	55.7	20234.3	283280.2
12	Rayagada	KULI	KULI-I Stone Quarry, 1.78	G GANGARA JU	K SINGPUR	590/19.2. 18	2022- 23	Non CAP	K-58,9 P-18	83	27	58.8	19	12	30.6	80937	113311.8
13	Rayagada	BADAHAN NSA	BADAHAN SA	B RAGHURA M	KERADA	3175/16.8 .19	2023- 24	Non CAP	K-31,P-130	83	25	34.52	19	04	23.47	52609	736526
14	Rayagada	HATSEK HAL	HATSEK-H AL	B RAGHURA M	KERADA	3174/16.8 .19	2023- 24	Non CAP	K-21,P-93/165	83	25	34.52	19	04	23.47	52609	736526
15	Rayagada	KHILMIS GUDA	KHILMISG UDA	CHINA APUDU PUALA	KHILMISG UDA	3176/16.8 .19	2023- 24	Non CAP	K-41, P-57	83	27	03.12	19	00	48.72	60702	849828
16	Rayagada	KADAMB ARIGUD A	KADAMBA RIGUDA	MANOJ KU SAHU	KOTAPET A		2022- 23	Non CAP	K-10,P-71	83	25	22.3	19	12	53.5	59003	826042
17	Muniguda	Kantraba li Stone Quarry - I	Stone quarry Kantrabali- I	Ajit Gouda	At/po- Muniguda LN 2678/ DT 11.9.2019	LN 2985/ DT 17.10.201 9	5 years	Non- Captive	Khata no 114 plot no 631	83	32	29.9 E	19	39	32 N	46201	64681.4
18	Gunupur	Jaktar Quarry	Jaktar Stone Quarry	K.Srinivas rao	At/po- Chalakam ba,Dist- Rayagada	L.No.1842 ,dt.18.04. 2018	5yrs	Non- Captive	Khata no.771, plot no.435	83	52	43.17	19	06	37.15	36422	458917.2
19	Gunupur	Sourapra dhanigu da	Souraprad hanibuda Stone quarry	Udeya Gomango	At/po- Marathigu da,Dist- Rayagada	L.No.3139 .dt.4.08.2 018	5yrs	Non- Captive	Khata no.35, plotno.40, Ac.3.26	83	49	22.98	19	06	24.80	13193	73880.8
20	Padmapur	Koilkota	Koilkota SQ	Bishnu Prasad Panda	91323122 22	1613/ 21.08.19	5 years	Non Captive	Khato No-53, Plot No-47/1	83	49	26.4	19	16	9.27	48562	6016831
21	Muniguda	Banganagan	Banganagan SQ	Rabindra Panigrahi	Sabarimala Jagdulpur, Muniguda 94398099 97	4175/17.1 0.2015	2015- 16 to 2019- 20	Non Captive	Khata no-25, Plot no-243	83	32	55.44	19	44	15.07	127200	445200

## POTENTIAL ROAD METAL/ BLACKSTONE/WHITESTONE OF THE DISTRICT

Sl. No.	Name of Tahasil	Name of village	Status	Name of Minor Mineral	Location of the Source (Total Hilllock)		Longitude			Latitude			Area of the mineral potential patch (in sq m)	Mineable mineral potential (in cum)
					recommended for mineral concession {GPS co-ordinates or Khata & Plot No} (Sketch map to be attached)	De gre	Min ute	Seco nd	Degr ee	Minu te	Second			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1	Kolnara	Kailashpur	New	Kailashpur SQ	22	285	83	32	37.74	19	12	54.56	20234.28	1062300
2	Kolnara	Badapadu	New	Badapadu SQ	30	1	83	21	44.2	19	20	44.1	12140.83	169971.6
3	Kolnara	Bothodi	New	Bothodi-II SQ	18	178	83	30	11.2	19	15	27.9	20234.72	283286.1
4	Kolnara	Bothodi	New	Bothodi-III SQ	18	178	83	30	16.6	19	15	22.2	20234.72	283286.1
5	Kolnara	Deopur	New	Deopur SQ	35	633	83	26	50.86	19	20	55.02	36260.62	507648.7
6	Kolnara	Hazaridang	New	Hazaridang IV SQ	6	84	83	30	10.5	19	12	51.15	12140.56	254951.8
7	Kolnara	Hazaridang	Running	Hazaridang V SQ	6	84	83	30	07.92	19	15	12.34	12140.5	781848.2
8	Kolnara	Hazaridang	Running	Hazaridang VI SQ	6	98	83	29	56.60	19	14	50.00	12140.5	790346.6
9	Kolnara	Guakona	Running	Guakona III SQ	27	195/1	83	28	12.0	19	13	10.5	20234.28	1331416
10	Kolnara	Champia	Running	Champia SQ	26	137	83	28	12.0	19	13	10.5	10117.1	672787.2
11	Kolnara	Pipalguda	Running	Pipalguda SQ	20	23/1	83	29	46.08	19	13	59.04	40468.56	2719487
12	Kolnara	Hazaridang	Running	Hazaridang SQ	6	37	83	29	46.66	19	15	1.66	12140.5	824340
13	Kolnara	Pipalguda	Running	Pipalguda II SQ	20	20,36	83	29	44.82	19	13	55.20	8093.71	555228.5
14	Kolnara	Hazaridang	Running	Hazaridang VII SQ	6	98	83	30	00.00	19	14	54.19	40468.56	2804471
15	Kolnara	Bothodi	Running	Bothodi SQ	18	178	83	30	10.03	19	15	20.22	20234.28	1416400
16	Kolnara	Jharadi	LOI	Jharadi	47	350	83	36	54.23	19	12	26.93	12141	1189818
17	Kolnara	Hajaridang	LOI	Hajaridang-II	6	37	83	29	47.22	19	15	16.23	20234	1997096



18	Kolnara	Hajardang	LOI	Hajardang-III	6	99	83	29	47.22	19	15	16.23	20234	2011260
19	Kolnara	Jamulibadi	LOI	Jamulibadi	21	203	83	29	59.41	19	14	59.95	40469	4050947
20	Kolnara	Guakona	LOI	Guakona IV	27	191/1	83	27	57.27	19	13	8.33	12141	1223813
21	Kolnara	Hazaridang	New	Hazaridang-VIII	6	84	83	30	10.5	19	12	51.15	12140.5	169967
22	Rayagada	GOGONDA	Running	GOGONDA	K-12,P-19		83	28	42.9	19	11	55.40	10117.15	240788.2
23	Rayagada	MANTRIOJHOL LA-I	Running	MANTRIOJHOLLA-I	K-20,P-139		83	28	7	19	12	47.48	20234.3	1005645
24	Rayagada	KASILI-III	Running	KASILI-III	K-30,P-188		83	27	32.06	19	12	16.16	12140.58	382428.3
25	Rayagada	MANTRIOJHOL LA-II	Running	MANTRIOJHOLLA-II	K-20,P-40		83	28	1.98	19	12	51.26	10117.15	269116.2
26	Rayagada	MANTRIOJHOL LA-IV	Running	MANTRIOJHOLLA-IV	K-20,P-116		83	27	58.92	19	12	55.29	12140.58	747859.7
27	Rayagada	KASILI-I	Running	KASILI-I	K-30,P-122		83	27	33.14	19	12	19.39	12140.58	977316.7
28	Rayagada	GOGONDA-I	Running	GOGONDA-I	K-12,P-19		83	28	25.47	19	11	43.51	8093.72	254952.2
29	Rayagada	MANTRIOJHOL LA-VI	Running	MANTRIOJHOLLA-VI	K,20,P-112		83	26	56.10	19	13	4.37	20234.3	864004.6
30	Rayagada	BILLESU	Running	BILLESU	K-70,P-40		83	23	34.02	19	00	26.83	12140.58	518402.8
31	Rayagada	MANTRIOJHOL LA-V	Running	MANTRIOJHOLLA-V	K-20,P-122		83	27	54.1	19	12	50.9	12140.58	900831
32	Rayagada	MANTRIOJHOL LA	Running	MANTRIOJHOLLA	K-20,P-118		83	28	02.62	19	12	39.55	20234.3	1487221
33	Rayagada	MANTRIOJHOL LA-III	Running	MANTRIOJHOLLA-III	K-30,P-119		83	27	56.32	19	12	40.41	12140.58	407923.5
34	Rayagada	KASILI-II	Running	KASILI-II	K-30,P-188		83	27	29.16	19	12	3.65	12140.58	739361.3
35	Rayagada	GOGONDA-III	Running	GOGONDA-III	K-12,P-118		83	28	29.86	19	11	38.55	24281.16	509904.4
36	Rayagada	KULI	Running	KULI	K-58,P-18		83	28	6.51	19	12	42.40	16187.44	691203.7
37	Rayagada	MANTRIOJHOL LA-VII	Running	MANTRIOJHOLLA-VII	K-20,P-102		83	28	.70	19	12	47.48	20234.3	637380.5
38	Rayagada	RAJPUR	Running	RAJPUR	K-8,P-1		83	25	1.76	19	04	17.27	20234.3	1812993
39	Rayagada	DUMAGUDA	Running	DUMAGUDA	K-27,P-20		83	26	5.11	19	120	29.55	20234.3	1133121
40	Rayagada	KASILI-IV	Running	KASILI-IV	K-30,P-231		83	27	83.94	19	12	29.037	12140.58	5523396.4
41	Rayagada	GOGONDA-II	Running	GOGONDA-II	K-12,P-119		83	28	39.79	19	11	42.260	16187.44	509904.4
42	Rayagada	KASILI	Running	KASILI	K-30,P-188		83	27	83.94	19	12	29.037	8093.72	169968.1



43	Rayagada	GUMMA-II	Running	GUMMA-II	K-18, P-107	83	17	30.0	19	11	55.7	20234.3	849840.6
44	Rayagada	KULI-I	Running	KULI-I	K-58, P-18	83	27	58.8	19	12	30.6	80937.2	2549522
45	Rayagada	DUMGUDA	LOI	DUMAGUDA	K-27, P-20	83	26	5.11	19	120	29.55	20234.3	1133121
46	Rayagada	KASILI	LOI	KASILI-IV	K-30, P-231	83	27	83.94	19	12	29.037	12140.5	552392.8
47	Rayagada	GOGONDA	LOI	GOGONDA-II	K-12, P-119	83	28	39.79	19	11	42.260	16187.4	509903.1
48	Rayagada	KASILI	LOI	KASILI	K-30, P-188	83	27	83.94	19	12	29.037	8093.7	169967.7
49	Rayagada	GUMMA	LOI	GUMMA-II	K-18, P-107	83	17	30.0	19	11	55.7	20234.3	849840.6
50	Rayagada	Balumati	New	Balumati Stone Quarry	K-17, P-88	83	27	38.29	19	05	48.85	45855	641970
51	Gunpur	Srirampur	New	Srirampur SQ	K-28, P-282, Ac.5.25	83	27	58.8	19	12	30.6	21245.99	178466.3
52	Gunpur	Regeda	New	Regeda SQ	K-130, P-798, Ac.4.00	83	25	34.52	19	04	23.47	16187.40	169967.7
53	Gunpur	Sourapradhan iguda	New	Sourapradhaniguda SQ	K-35, P-40, Ac.3.26	83	25	34.52	19	04	23.47	13192.73	73879.29
54	Gunpur	Jaltar	New	Jaltar SQ	Khata no.771, plotno.435, Ac.9.00	83	27	03.12	19	00	48.72	36421.65	458912.8
55	Gunpur	Narsinghamunda	New	Narsinghamunda SQ	Khata no.23, plotno.52,53&54.	83	25	22.3	19	12	53.5	6645.25	93033.5
56	Gunpur	Gunpur-I	Running	Gunpur-I SQ	Khata-330, plotno-1522, Ac.11.00	83	49	58.7	19	05	19.05	44515.46	623216.4
57	Gunpur	Gunpur-II	Running	Gunpur-II SQ	K-330, plotno-1522, Ac.10.10	83	48	47.8 E	19	05	54.9	40873.24	572225.4
58	Gunpur	Chakrabhata	Running	Chakrabhata SQ	Khata-07, plotno-33 Ac.10.00	83	46	16.1	19	05	50.01	40468.6	566560.4
59	Gunpur	Loba	Running	Loba SQ	Khata-105, plotno-100, Ac.4.39	83	51	12.5	19	11	19.50	17765.69	248719.7
60	Kalvansinghpur	Belakana	New	Belakana S Q, 9.58	K. NO 30 P NO 393	83	21	51	19	22	57	97003.148	3395110
61	K.singhpur	Belakana	New	Belakana S Q	K. No 30 P No 287	83	21	19	19	22	52	16252.22	568827.7
62	K.singhpur	Belakana	New	Belakana S Q	K No 30 P No-405	83	21	52	19	22	54	185548.37	6494193
63	K.singhpur	Belakana	New	Belakana S Q	K No 30 P No 188	83	22	0	19	23	36	259929.59	9097536
64	K.singhpur	Belakana	New	Belakana S Q	K No 30 P No 225	83	21	48	19	23	23	76283.24	2669913
65	K.singhpur	Belakana	New	Belakana S Q	K No 30 P No 271	83	21	18	19	23	15	544706.87	19064740
66	K.singhpur	Belakana	New	Belakana S Q	K No 30 P No 327	83	21	43	19	23	21	103478.12	3621734



67	K.singhpur	Belakana	New	Belakana S Q	K No 30, P No 328	83	22	0	19	23	21	128285.3	4489986
68	K.singhpur	Belakana	New	Belakana S Q	K No 30, P No 332	83	22	8	19	23	30	33184.2	1161447
69	K.singhpur	Belakana	New	Belakana S Q	K No 30 P No 330	83	22	14	19	23	52	427348.04	14957181
70	K.singhpur	Belakana	New	Belakana S Q	K No 30 P No 331	83	22	10	19	23	50	232694.2	8144297
71	K.singhpur	Belakana	New	Belakana S Q	K No 30 P No 362	83	21	32	19	23	7	55230.52	1933068
72	K.singhpur	Kandakara	New	Kandakara S Q	K No 11 P No -1	83	17	0	19	23	46	157625.06	6620253
73	K.singhpur	Kandakara	New	Kandakara S Q	K No 11 P No -62	83	17	8	19	23	40	96598.46	4057135
74	Kalyansingh pur	Kandakara	New	Kandakara S Q	K No 11 P No -91	83	17	12	19	23	28	142975.44	6004968
75	Kalyansingh pur	Kandakara	New	Kandakara S Q	K No 11 P No -115	83	17	27	19	23	32	161874	6798708
76	Kalyansingh pur	Kandakara	New	Kandakara S Q	K No 11 P No -119	83	17	27	19	23	26	36624.05	1538210
77	Kalyansingh pur	Kusumvila	New	Kusumvila S Q	K No 30 P No -10	83	16	52	19	27	26	36624.05	1538210
78	Kalyansingh pur	Kalyansinghpur	New	K. Singhpur S Q	K No -109 P No - 2,5,61,2/800,2/801, 2/802,1/804,362/821	83	17	31.29	19	31	28.99	121000	7623000
79	K.Singhpur	Kanipal	Running	K. Singhpur S Q	K-31 P-40	83	18	14.52	19	22	12.08	18000	252000
80	Kashipur	Maikanch	New	Maikanch SQ	K-198 198 P-201	83	2	43.1	19	20	5.5	4050	17010
81	Kashipur	Naua gaon	New	Naua gaon SQ	K-. 72 , P-.427	83	02	43.9	19	20	04.7	4050	17010
82	Kashipur	Renga	New	Renga stone quarry	K-. 72 , P-826	19	18	37.2	83	7	18.5	607500	2551500
83	Kashipur	Mundagaon	New	Mundagaon-I SQ	K-. 290 Plot No-.1166	83	03	45.2	19	08	41.0	32643	137100.6
84	Kashipur	Naktiguda	New	Naktiguda SQ	K 147 , Plot No.73	83	05	24.8	19	09	14.1	38475	161595
85	Kashipur	Anajore	New	Anajore SQ	K-. 143 , Plot No1888	83	06	41.8	19	08	13.0	28309	118897.8
86	Kashipur	Kaliapada	New	Kaliapada SQ	5.75 AC	83	07	43.6	19	10	11.8	22541.48	110453.3
87	Kashipur	Sargiguda	Running	Sargiguda SQ	K-.71 P-126,199 ,205,206 & 207	83	07	26.7	19	11	09.7	11299	47455.8
88	Kashipur	Mundagaon	Running	Mundagaon-II SQ	K-.290 P-.1167	83	03	45.4	19	08	41.6	5670	19845
89	muniguda	Kantrabali	Running	Kantrabali - II SQ	K-. 114. P. - 790	83°	33'	58.4" E	19°	39'	39.4" N	80000 Sq. M	168000
90	muniguda	Bada Manjurkupa	Running	Bada Manjurkupa Stone Quarry	K. No- 17, pl. No. 54	83°	27'	12.70" E	19°	45'	58.80" N	18840 Sq. M.	26376



91	muniguda	Ambadola	Running	Ambadola Stone Quarry	K. No. 186, Pl. No. 668	83°	28'	59.40	19°	49'	29.20"	110480	386680
92	muniguda	Banganagan	LOI	Banganagan stone quarry	Khata no-25, Plot no-243	83	32	55.44	19	44	15.07	127200	445200
93	muniguda	Katubadi	New	Katubadi stone quarry	khata no 18 plot no 31	83	29	40.6	19	47	22.3	3360	2352
94	muniguda	sanamudra	New	Sanamudra stone quarry	khata no 9 plot no 1	83	30	09.89	19	34	36.25	168000	823200
95	muniguda	Anojodi	New	Anogodi stone quarry	Khata no 11 plot no 13, 92	83	28	33.3	19	48	14	45600	63840
96	muniguda	Deraguma	New	Deraguma stone quarry	Khata no 14 plot no 138	83	25	50.9	19	52	25.5	20000	14000
97	muniguda	Litiguda	New	Litiguda Stonequarry	Khata no 67 plot no 374	83	31	6.8	19	37	55.2	1320	924
98	muniguda	Bainbasa	New	Bainbasa SQ	K-17 plot no 60	83	29	20.7	19	38	19.4	23500	131600
99	muniguda	Madhu Munda	New	Madhumunda SQ	Khata no 40 plot no 129	83	36	21.6	19	39	9.9	13080	9156
100	muniguda	Asurapada	New	Asurapada SQ	Khata no 36 plot no 19	83	26	7.1	19	42	12.1	5440	3808
101	muniguda	Kaliaripeta	New	Kaliaripeta SQ	Khata No 16 Plot No 51	83	29	44.9	19	52	10	148320	2076480
102	muniguda	Turukupa	New	Turukupa SQ	Khata no 11 plot no 79	83	32	43	19	46	29	6070	84980
103	muniguda	Deokupuli	New	Deokupuli SQ	Khata no 69 plot no 172	83	33	48.6	19	38	37.04	136584	1912176
104	Muniguda	Kantrabail - I SQ	LOI	Kantrabail-I SQ	Khata no 114 plot no 631	83	32	29.9	19	39	32	46201	32340.7
105	Ramnaguda	Tumbakona	Running	Tumbakona SQ	Khato No 21 Plot No 13 Area in Ac:2.00	83	40	29.17	19	10	49	8000	168000
106	Padmapur	Khilamunda	Running	Khilamunda-II Stone Quarry	Khata No.-16, plot no-9	83	49	43	19	15	30.2	35410	173509
107	Padmapur	Akhusing	Running	Akhusing SQ	Khata No.-114, plot no-467	83	49	58.55	19	15	57.51	34399	36118.95
108	Padmapur	Khilamunda	Running	Khilamunda-I SQ	Khata No.-16, plot no-114	83	49	58	19	15	49.2	20234.72	56657.22
109	Padmapur	Arei	New	Arei S Q	Khata No.-66, plot no-312/989	83	49	26.47	19	16	09.27	4000	47600
110	Gudari	Bailpanga	Running	Karasing SQ	K. No-14, Pl. No. 53	83	49	44.86	19	20	3.23 N	18200	165620



110	Gudari	Balipanga	Running	Karasing SQ	K. No- 14, Pl. No. 53	83	49	44.86 E	19	20	3.23 N	18200	165620
111	Bissam Cuttrack	Dhuanbadi	Running	Dhuanbadi Stone Quarry	Khata-130, plotno- 58, Ac.4.60.00	83	35	53	19	21	12.5	18615.5	104246.8
112	Bissam Cuttrack	Lelingpadar	Running	Lelingpadar Stone Quarry	Khata-23, plotno- 178, Ac.10.00	83	34	44.8	19	30	17.5	40468.6	509904.4
113	Bissam Cuttrack	Telengasarth II	Running	Telengasartheli Stone Quarry	Khata-03, plotno-33, Ac.-05.00	83	28	35.3	19	32	03.9	20234.3	113312.1
114	Bissam Cuttrack	Baradaguda	Running	Baradaguda Stone Quarry	Khata-5, plotno- 60, Ac.12.00	83	33	59.3	19	22	26.1	48562.3	67987.22
115	Bissam Cuttrack	Baxisiripur	New	Baxisiripur Stone Quarry	Khata no.33, plotno.3, Ac.1.00	83	30	29.45	19	36	0.9	4046.818	33993.27
116	Bissam Cuttrack	Drubaguda	New	Drubaguda Stone Quarry	Khata no.25, plotno.77, Ac.10.00	83	35	18.39	19	22	19.32	40468.6	339936.2

APPROVED BY DEIAA COMMITTEE, RAYAGADA

*RUB 29/11/19*  
Sub-Collector, Rayagada  
-cum-  
Member Secretary, DEIAA  
Rayagada

*[Signature]*  
Sri A.K. Sharda, President  
Dandakaranya NGO,  
-cum-  
EXPERT Member, DEIAA Rayagada

*[Signature]*  
Divisional Forest Officer,  
--cum-  
Member, DEIAA, Rayagada

*[Signature]*  
Collector -cum- Chairperson,  
DEIAA, Rayagada

**NEWLY DECLARED SOURCES INSERTED IN THE DISTRICT SURVEY REPORT OF RAYAGADA DISTRICT AT ANNEXURE III  
POTENTIAL ROAD METAL/ BLACKSTONE/WHITESTONE/ MORRUM OF THE DISTRICT**

Sl. No.	Name of Tahasil	Name of village	Status	Name of Minor Mineral	Location of the Source (Total Hillock) recommended for mineral concession (GPS co-ordinates or Khata & Plot No) (Sketch map to be attached)		Longitude				Latitude				Area of the mineral potential patch (in sq m)	Mineable mineral potential (in cum)
					Khata	Plot	De gre e	Minu te	Second	Deg ree	Minu te	Second				
1	2	3	4	5		6	7	8	9	10	11	12	13	14		
117.	Rayagada	Seriguda	New	Seriguda -1 MQ	K No.-27, p no-67		83	23	7.84	19	10	43.74	8900	39800		
118	Rayagada	Seriguda	New	Seriguda -2 MQ	K No.-27, p no-27		83	23	28.82	19	11	01.07	8090	52600		
119	Rayagada	Jurudi	New	Jurudi MQ	K No.-29, p no-95		83	26	48.19	19	09	27.69	12140	68160		
120	Rayagada	Durgapadu	New	Durgapadu -1 MQ	K No.-79, p no-81		83	31	46.92	19	03	17.11	10120	70980		
121	Rayagada	Durgapadu	New	Durgapadu -2 MQ	K No.-79, p no-83		83	31	43.44	19	03	04.90	10120	55566		
122	Rayagada	Limbesu	New	Limbesu MQ	K No.-10, p no-60		83	27	36.23	19	02	09.59	16180	155556		
123	Rayagada	Gumma	New	Gumma MQ	K No.-18, p no-106		83	17	15.14	19	11	47.42	20230	153916		
124	Rayagada	Tamparabuduni	New	Tamparabuduni MQ	K No.-21, p no-53		83	26	9.26	19	17	28.79	16180	141336		
125	Rayagada	Pitamahal	New	Pitamahal MQ	K No.-22, p no-55/1		83	24	24.52	19	08	02.19	16180	157374		
126	Rayagada	Kuli	New	Kuli MQ	K No.-58, p no-43		83	27	02.81	19	12	09.79	20230	208444		
127	Rayagada	Kasili	New	Kasili MQ	K No.-30, p no-227		83	26	59.92	19	12	14.47	20230	104796		
128	Kolnara	Badakhtlapadar	New	Badakhtlapadar MQ	K No.-40, p no-724		83	31	47.47	19	17	58.31	8093.71	49530		
129	Kolnara	Kandha Champia	New	Kandha Champia MQ	K No.-15, p no-41		83	36	01.11	19	15	0.53	8093.71	65845		
130	Kolnara	Bhujabal	New	Bhujabal MQ	K No.-44, p no-355		83	27	23.55	19	14	26.13	12140.56	79856		
131	Kolnara	Kumbheiguda	New	Kumbheiguda MQ	K No.-14, p no-20		83	30	18.67	19	16	50.48	8093.71	53746		



132	16	Kolnara	Keurtaguda	New	Keurtaguda MQ	K No.-18, p no-7	83	22	19.40	19	18	36.13	8093.71	55575
133	17	Kolnara	Hazaridang	New	Hazaridang-VIII SQ	K No.-06, p no-84	83	30	01.49	19	15	00.93	12140.56	88717
134	18	Kolnara	Guakona	New	Guakona-V SQ	K No-27,Pro-190/1	83	27	30	19	12	30	8093.71	567292
135	19	Kashipur	Pattasiltunda	New	Pattasiltunda MQ	K No-106,Pro-559	83	09	37.91	19	07	39.11	40460	347434
136	20	Kashipur	Adatakiri	New	Adatakiri MQ	K No-55,Pro-50	83	03	33.12	19	29	31.76	12140	76938
137	21	Kashipur	Kashipur	New	Kashipur MQ	K No-1446,Pro-664	83	05	54.70	19	20	40.03	24280	169936
138	22	Kashipur	Nuagaon	New	Nuagaon MQ	K No-72,Pro-116	83	01	27.75	19	17	52.30	26300	279724
139	23	Gudari	Silmi	New	Silmi MQ	K No-20,Pro-01	83	47	58.81	19	22	50.77	32375	152272

Approved

Approved

Approved

Approved

*Approved*  
14.8.2020

Sub-Collector, Rayagada  
-cum-  
Member Secretary, DEIAA  
Rayagada

Sri A.K. Sharda, President  
Dandakaranya NGO,  
-cum-  
EXPERT Member, DEIAA Rayagada

Divisional Forest Officer,  
--cum-  
Member, DEIAA, Rayagada

Collector -cum-  
Chairperson, DEIAA, Rayagada

*19/8/2020*

*19/8/2020*

SPECIFIED MINOR MINERAL FOR DECORATIVE STONE EXECUTED UNDER RAYAGADA DISTRICT.

Sl No.	Name of Tahsil	Name of Village	Name of Lessee	Address & contact No. of lessee	Mining Lease Grant Order No. & Date	Period of lease		Date of commencement of mining operation	Status (Working /Temp.w orking for despatch )	Cap tive or Non cap tive	Lt. No. & date of grant of EC	Location of Resource (GPS co-ordinates or Khata & Plot No.)(Sketch map to be attached)	Co-ordinates containing the boundary points		Method of mining	Area leased for mineral concession (in sq.m)	Mineral lease potential as per approved mining plan (in cum.)
						From	To						Latitude	Longitude			
<b>MINING LEASE</b>																	
1	Gunnur	Basing-Gorja	M/s Stone fields	B-231, 4th Cross, Sainkpur, Secunderabad (Telangana) (9437909273)	16000/06.11.2006	20.12.2006	19.12.2026	25.12.2006	Working	Non cap tive	-	9/2/P	19°06'39" to 19°06'45"	83°51'55" to 83°58'08"	Open cast	24280	183009
2	Munniguda	Paikamadhakhol	M/s Hindustan Mineral Industries	No.613/4132, Near Punama Gate, Old Town, Bhubaneswar, Dist-Khurda (9861058996)	ML	01.12.2017	30.11.2047	09.03.2018	Working	Non cap tive	3085/SE IAA, dt.05.06.17	27/119/P	19°41'25" to 19°41'09".6"	83°34'57" to 83°35'09"	Open cast	63450	279708
3	B.Cutta	Furtigurha	M/s U. Ganapati Exports	Sri A.Ganesh Rai, Prasadraopeta, Jeyapore, Dist-Koraput (9437435161)	6991/01.06.2001	05.12.2001	04.12.2011	08.04.2002	Applied for RML	Non cap tive	-	20 & 23 101/P, 112/P & 100/P	19°25' to 19°20'	83°30' to 83°35'	Open cast	10930	Mining Plan not submitted
4	B.Cutta	Tedeliguda	M/s Risabh Mining(P) Ltd.	IDCO Industrial Area, Tilaghar, Dist- Bolangir (8826162971)	2545/23.02.2001	23.10.2002	22.10.2032	Surface Right not granted.	Applied for RML	Cap tive	4108/SE IAA, dt.15.02.18	15/1/Part	19°24'14".2" to 19°24'27".5"	83°32'36" to 83°32'54".2"	Open cast	110830	37199
<b>PROSPECTING LICENSE</b>																	
5	Rayagada	Hazarida	Sri Balakrishna Padhy	Sunari Street, Jeyapore, Dist-Koraput. (8327718893)	3994/23.03.2009	11.05.2009	10.05.2011	26.09.2009	Prospecting License executed & applied for Mining Lease	Non cap tive	-	117/48/P	19°07'13" to 19°07'44"	83°23'29" to 83°23'39"	Open cast	87810	Prospecting Report not submitted

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6	Gunnur	Areri	M/s Babagantra	Prop.Smt.Sujata Sahu, Kashinagar Road, Near Gumagada, PO-Rampeta, PS-Pariakhamundi, Dist-Gajapati.	139/04.02.2009	04.07.2009	03.07.2011	10.08.2009	Prospectin g License executed & applied for Mining Lease	Non -	-	66/312/490/P, 312/491/P, 312/493/P & 312/494/P	19°11'01" to 19°11'24"	83°51'54" to 83°52'25"	Ope n cast	303510	1644672
7	B.Cutta ck	Chilikaram bhu & Tedelignuda	M/s Aditi Resources	40-6/3-3. Ground Floor, Sri Nilayam Lane, Opposite to Siddhartha public School, Vijayawada (A.P) (9849085477)	5239/D.M. 04.06.2016	29.08.2016	28.08.2018	11.10.2016	Prospectin g License executed & applied for Mining Lease	Non -	-	Chilikarambhu No.63 16/95/4/P & 96/6/P Tediignuda No.64 15/165/P	19°24'00".3" to 19°24'22".4"	83°32'28".1" to 83°32'45".7"	Ope n cast	137390	Prospectin g Report not submitted
8	B.Cutta ck	Chilikaram bhu	M/s Aditi Resources	-do-	5232/04.06.2016	29.08.2016	28.08.2018	11.10.2016	Prospectin g License executed & applied for Mining Lease	Non -	-	16/90/P & 92/P	19°09'04".8" to 19°24'32".5"	83°32'39".8" to 83°32'49".0"	Ope n cast	48160	Prospectin g Report not submitted
9	Kashipur	Toyaput	M/s Devi Mines and Mineral	IDCO Plot 7/7, Chandaka Industrial Estate, Chandrasekharpur, Patta, Bhubaneswar (0674-2745300)	13134/27.10.2006	10.07.2007	09.07.2009	19.09.2007	Prospectin g License executed & applied for Mining Lease	Non -	-	39/291/P	19°09'20".9" to 19°06'00".5"	83°11'05".5" to 83°11'23".1"	Ope n cast	52290	
10	Gunnur	Basinggoria	M/s Gramar Enterprises	New No.2, Old No.6, Link Street, 4th Main Road, Kottur Garden, Chennai(TN) (9952033399)	7882/29.08.2016	18.11.2016	17.11.2018	09.01.2017	Prospectin g License executed & applied for Mining Lease	Non -	-	9/33/P	19°05'51".9" to 19°06'00".5"	83°32'12".5" to 83°52'26".1"	Ope n cast	78240	188588
11	Gunnur	Basinggoria	M/s Gramar Enterprises	-do-	11365/30.12.2014	13.02.2015	12.02.2017	09.01.2017	Prospectin g License executed & applied for Mining Lease	Non -	-	9/30/P	19°05'51".9" to 19°06'00".5"	83°52'12".5" to 83°52'26".1"	Ope n cast	87090	339768
12	RAYAGADA	Punjapai	M/s U Ganapati Exports (Granite ) (P) Ltd	Sri A.Ganesh Raj, Prasadraopeta, Jeyapore, Dist- Koraput (9437435161)	7296/10.06.2009	-	-	-	-	Non -	-	43/116/P & 117/P	19°07'29".6" to 19°06'44".6"	83°14'18".7" to 83°14'37".7"	Ope n cast	209060	Not executed
13	RAYAGADA	Punjapai	M/s U Ganapati Exports (Granite ) (P) Ltd	-do-	7291/10.06.2009	-	-	-	-	Non -	-	22,43,43,14,43,22/344,345,347,348,349 & 358	19°06'42".7" to 19°06'44".6"	83°13'34".5" to 83°13'40".2"	Ope n cast	43620	Not executed

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## SPECIFIED MINOR MINERAL FOR DECORATIVE STONE (LOI ISSUED, BUT NOT GRANTED) UNDER RAYAGADA DISTRICT.

Sl No.	Name of Tahsil	Name of Village	Name of Lessee	Address & contact No. of lessee	Minim Lease Order No. & Date	Period of lease		Date of commencement of mining operation	Status (Working /Temp working for despatch)	Captive or Non-captive	Dt. No. & date of grant of EC	Location of co-ordinates or Khata & Plot No./Sketch map to be attached)	Co-ordinates containing the boundary points		Method of mining	Area leased for mineral concessi on (in sq.m)	Minerab mineral potentia as per approved mining plan (in cum.)	
						From	To						Latitude	Longitude				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
<b>PROSPECTING LICENSE</b>																		
1	Gunupur	Arei	Smt Y. Gangalaxmi	Plot No.13, Govinda Nagar, Behind Abhudaya Degree College, Srikakulam (AP) (8464971507)					LOI Issued for grant of Mining Lease	Non-captive	-	66/312/492	19°11'07" to 19°11'09"	83°51'07" to 83°51'09"	Open cast	60540	236203	
2	Gunupur	Basinggorja	M/s Gramar Enterprises	New No.2, Old No.6, Link Street, 4th Main Road, Kottur Garden, Chennai(TN) (9952033399)					LOI Issued for grant of Mining Lease	Non-captive	-	9/29/P	19°06'17.5" to 19°06'24.20"	83°52'16.0" to 83°52'22.2"	Open cast	35770	1720895	
3	Muniguda	Bad-Agula	M/s Hindustan Mineral indust.	Plot No.613/4132, Near Punama Gate, Old Town, Bhubaneswar, Dist-Khurda (9861058996)					LOI Issued for grant of Mining Lease	Non-captive	-	61/518/P & 578/P	19°38'43.8" to 19°39'8.60"	83°33'26.8" to 83°33'44.4"	Open cast	161310	679250	
4	Muniguda	Kantarbali	M/s Hindustan Mineral indust.	Plot No.613/4132, Near Punama Gate, Old Town, Bhubaneswar, Dist-Khurda (9861058996)					LOI Issued for grant of Mining Lease	Non-captive	-	114/643/P	19°39'33.4" to 19°39'42"	83°32'54" to 83°33'1.50"	Open cast	30030	75632	
5	Muniguda	Bad-Agula	M/s Hindustan Mineral indust.	Plot No.613/4132, Near Punama Gate, Old Town, Bhubaneswar, Dist-Khurda (9861058996)					LOI Issued for grant of Mining Lease	Non-captive	-	61/582/P	19°38'49.5" to 19°39'16.5"	83°33'45.7" to 83°33'54.40"	Open cast	120190	18368	

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**SPECIFIED MINOR MINERAL FOR DECORATIVE STONE RAYAGADA DISTRICT.**

ANNEXURE-I

Sl No.	Name of Tahsil	Name of Village	Status	Name of Specified Minor Mineral	Location of the Source (Total Hillock) recommended for mineral concession (GPS co-ordinates or Khata & Plot No.)(Sketch map to be attached)	Latitude			Longitude			Area of the mineral potential (in sq.m)	Mineable mineral potential (in cum.
						Degree	Minute	Second	Degree	Minute	Second		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>MINING LEASE</b>													
1	Gunupur	Basing-Gorja	Working	Decorative Stone	9/ 2/P	19°06'39" to 19°06'45"	83°51'55" to 83°58'08"					24280	183009
2	Muniguda	Paikamadakhola	Working	-do-	27/ 119/P	19°41'25" to 19°41'09.6"	83°34'57" to 83°35'09"					63450	279708
3	B.Cuttack	Purtigurha	Non-working due to want of order from Govt. in Deptt. of Steel & Mines, Odisha under Rule-84 of OMMC Rule, 2016	-do-	20 & 23 101/P, 112/P & 100/P	19°25' to 19°20'	83°30' to 83°35'					10930	Mining Plan not submitted
4	B.Cuttack	Tedeliguda	Non-working due to want of permission for surface operation by the Collector.	-do-	15/ 1/Part	19°24'14.2" to 19°24'27.5"	83°37'36.2" to 83°32'54.2"					110830	37199
<b>PROSPECTING LICENSE</b>													
5	Rayagada	Hazaridang	Applied for Mining Lease	-do-	117/ 48/P	19°07'13" to 19°07'44"	83°23'29" to 83°23'39"					87810	Prospecting Report not submitted
6	Gunupur	Arei	-do-	-do-	66/ 312/490/P, 312/491/P, 312/493/P & 312/494/P	19°11'01" to 19°11'24"	83°51'54" to 83°52'25"					303510	1644672
7	B.Cuttack	Chilikarambhu & Tedelguda	-do-	-do-	Chilikarambhu No.63 16/ 95/4/P & 96/6/P Tedelguda No.64 15/ 165/P	19°24'00.3" to 19°24'22.4"	83°37'28.1" to 83°32'45.7"					137390	Prospecting Report not submitted
8	B.Cuttack	Chilikarambhu	-do-	-do-	16/ 90/P & 92/P	19°24'20.8" to 19°24'32.5"	83°32'39.8" to 83°32'49.0"					48160	Prospecting Report not submitted
9	Kashipur	Toyapat	-do-	-do-	39 291/P	19°09'04" to 19°09'20"	83°11'05" to 83°11'23"					52290	

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10	Gunupur	Basing-gorja	-do-	-do-	9/ 33/P	19°05'51.9" to 19°06'00.5"	83°32'12.5" to 83°52'26.1"	78240	188588
11	Gunupur	Basing-gorja	-do-	-do-	9/ 30/P	19°05'51.9" to 19°06'00.5"	83°52'12.5" to 83°52'26.1"	87090	339768
12	Rayagada	Punjapai	-do-	-do-	43/ 116/P & 117/P	19°07'29.6" to 19°06'44.6"	83°14'18.7" to 83°14'37.7"	209060	Not executed
13	Rayagada	Punjapai	-do-	-do-	22,43,43,14,43,22/ 344,345,347,348,349 & 358	19°06'42.7" to 19°06'44.6"	83°13'34.5" to 83°13'40.2"	43620	Not executed
14	Gunupur	Arei	LOI issued for grant of Mining Lease	-do-	66/ 312/492	19°11'07" to 19°11'09"	83°51'07" to 83°51'09"	60540	236203.3
15	Gunupur	Basing-gorja	-do-	-do-	9/ 29/P	19°06'17.50" to 19°06'24.20"	83°52'16.08" to 83°52'22.20"	35770	172089.25
16	Muniguda	Bad-Agula	-do-	-do-	61/ 518/P & 578/P	19°38'43.80" to 19°39'8.60"	83°33'26.80" to 83°33'44.40"	161310	679250
17	Muniguda	Kantarbali	-do-	-do-	114/ 643/P	19°39'33.40" to 19°39'42"	83°32'54" to 83°33'1.50"	30030	75632
18	Muniguda	Bad-Agula	-do-	-do-	61/ 582/P	19°38'49.50" to 19°39'16.50"	83°33'45.70" to 83°33'54.40"	120190	183684

APPROVED BY DEIAA COMMITTEE, RAYAGADA

*Rayag. 6.2021*  
 Sub-Collector, Rayagada  
 -cum-  
 Member Secretary, DEIAA  
 Rayagada

Sri A.K. Sharda, President  
 Dandakaranya NGO,  
 -cum-  
 EXPERT Member, DEIAA Rayagada

*2/16/21*  
 Divisional Forest Officer,  
 -cum-  
 Member, DEIAA, Rayagada

*2/16/2021*  
 COLLECTOR  
 -cum-  
 Chairperson, DEIAA,  
 Rayagada