



DISTRICT REVENUE SECTION, ANGUL

ଜିଲ୍ଲା ରାଜସ୍ୱ ଉପ ବିଭାଗ, ଅନୁଗୋଳ

COLLECTORATE, ANGUL || ଜିଲ୍ଲା ପାଳିକା କାର୍ଯ୍ୟାଳୟ, ଅନୁଗୋଳ

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Letter No. 231 / File No. VI-09/2021 Date: 23.03.2021

To

The District Information Officer,
National Informatics Center, Angul

Sub:- Hoisting of District Survey Report in web site for general information of public.

Sir,

As per G.O. No. 27689/R&DM dt.27.07.2018 the District Survey Report shall be placed in the public domain and posting it on Districts web site for receiving any public comments on the report.

The District Survey Report are enclosed here with for posting of the same in the public web site accordingly.

Yours faithfully,


Addl. District Magistrate (Revenue)
Angul

Memo No. 232 / Touzi Dt. 23.03.2021

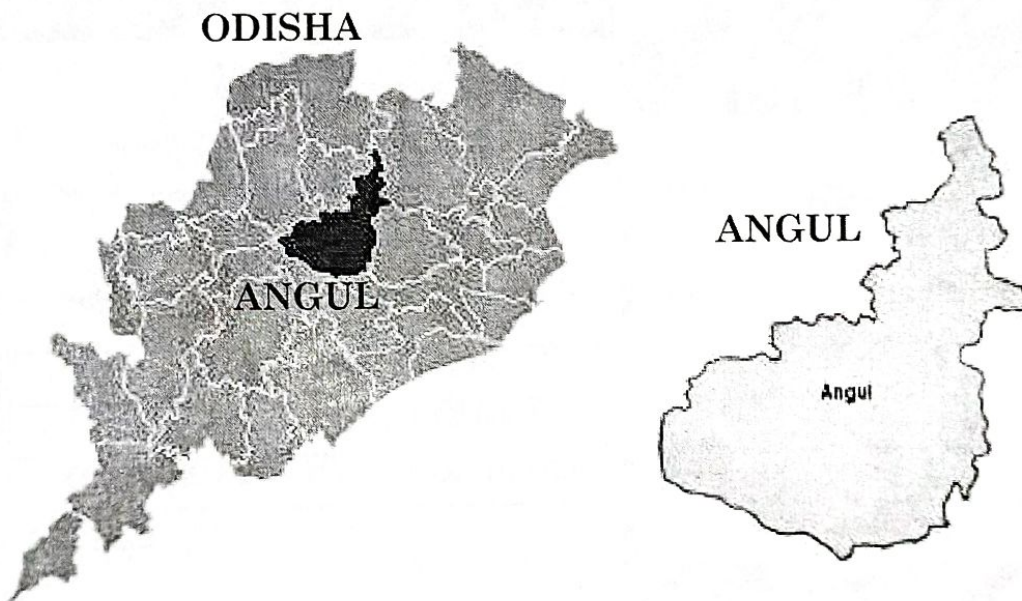
Copy forwarded to all Sub-Collectors / Tahasildars of Angul District for information & necessary follow up action .


Addl. District Magistrate (Revenue)
Angul



**DISTRICT SURVEY REPORT (DSR) 2021
OF
ANGUL DISTRICT, ODISHA
FOR
RIVER SAND**

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



**As per Notification No. S.O. 3611(E) New Delhi,
25th July, 2018
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(MoEF & CC)**

COLLECTORATE, ANGUL

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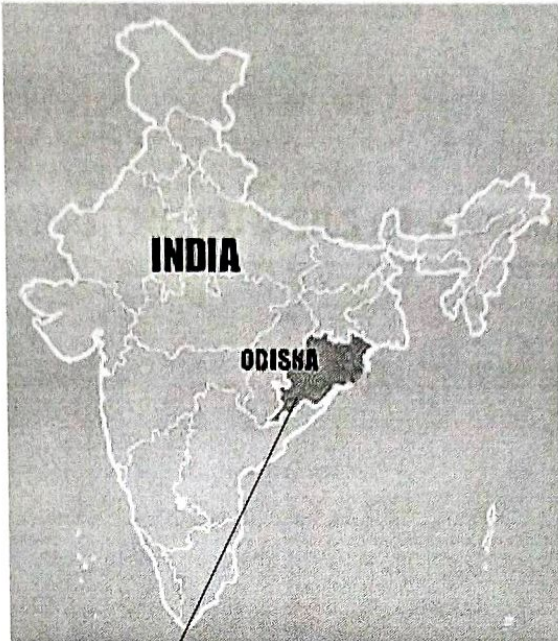
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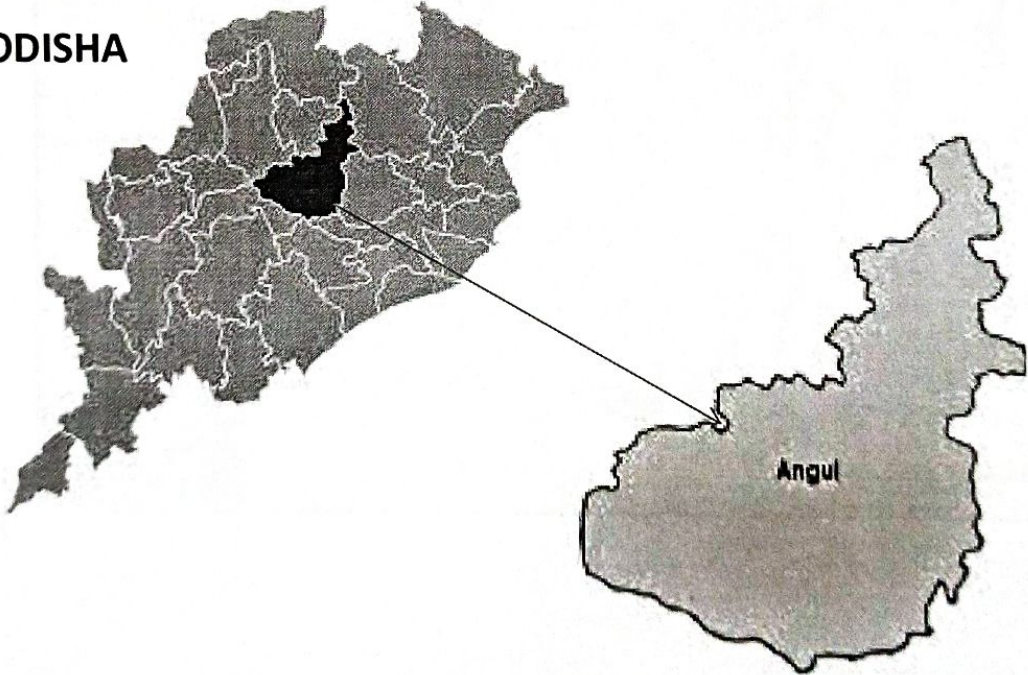
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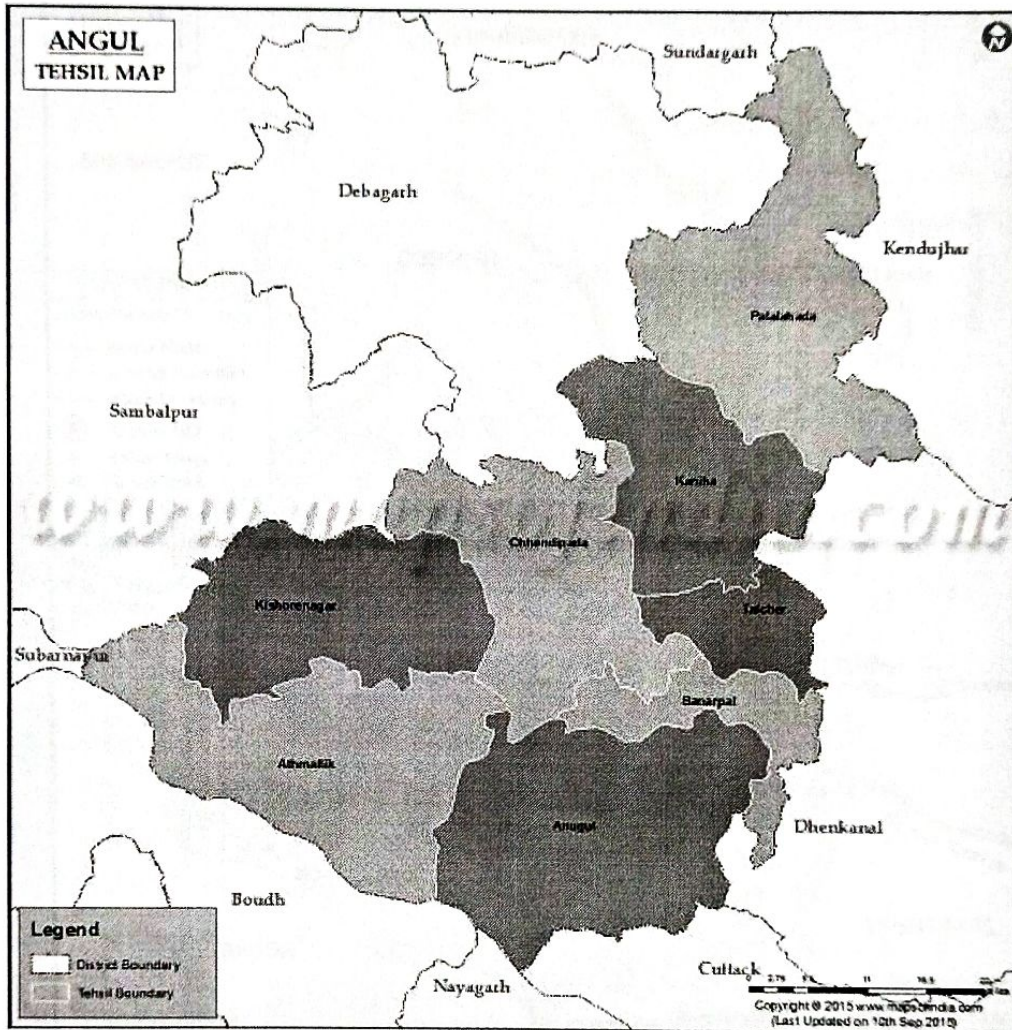
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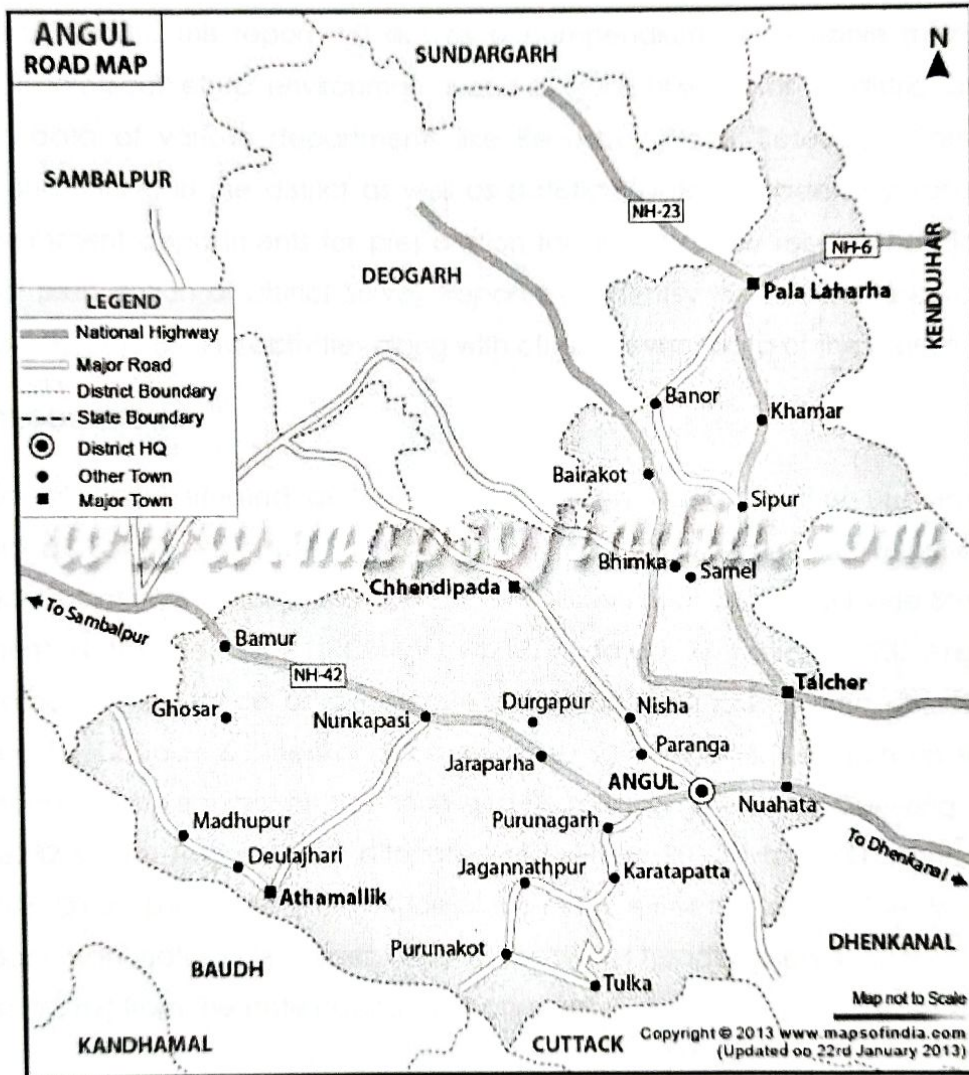
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MAP SHOWING THE TAHASILS OF ANGUL DISTRICT



MAP SHOWING THE MAJOR ROADS OF ANGUL 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 river sand mining has been prepared in accordance with Clause II of Appendix X of the notification. Every effort has been made to cover river sand mining locations, future potential areas and overview of sand 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 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 for preparation for district survey report. 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

The district of Angul situated at the heart of Odisha was a part of Undivided Dhenkanal district till early March 1993, but for the administrative convenience, Dhenkanal District was divided into two parts i.e. Dhenkanal and Angul vide State Government Notification No. DRC-44/93/14218/R. dated 27 March 1993. Angul District came into existence as a separate district on April 1, 1993. The district is surrounded by Cuttack & Dhenkanal on the east, Sambalpur & Deogarh on the west, Sundargarh & Keonjhar on the north and Phulbani on the south. Covering an area of 6232 sq.km, Angul District is located at Latitude 20° 31' to 21°41' North to 84°16' to 85°23' East Longitude. The altitude of this place is 564 to 1187 mt. The district is abundant with natural resources. Angul, The district headquarters is about 150 kilometres (93 mi) from the state capital Bhubaneswar.

2. OVERVIEW OF MINING ACTIVITIES IN THE DISTRICT.

Angul district is enriched with many valuable economic minerals like coal, Kyanite, graphite, fireclay, china clay, precious and semi-precious stones, dimension and decorative stones etc.

Coal:

Angul district occupies a significant position in the mineral map of India because of its vast resources of coal in the Talcher coalfield. A total reserve of 50,406 million tonnes of coal of all categories has been estimated in the district in Talcher coalfield. The Karaharbari and Barakar formations belonging to Damuda series are coal bearing. Coal produced in this area is mostly used for power generation purpose.

Fireclay:

Fireclay occurs sporadically within a stretch of 15 sq. km area in and around Badaganduri, Kansamunda and Telisinga villages of Kaniha Block, Angul district. In Talcher Lower Gondwana basin, the fireclay beds usually overly the coal seams.

Fireclay also occurs in Handapa area around Kakarpani, Ichhapur villages. The total fireclay resource of the district has been estimated at 1.22 million tonnes. This fireclay contains Lower Gondwana plant fossils like *Glossopteris* and *Gangompteris*.

Kyanite:

Kyanite occurrences are reported around Magarmuhan and Bankoli villages of Pallahara sub-division. In Magarmuhan, Kyanite occurs in association with quartzite-kyanite-schist and quartz-chlorite-kyanite schist extending over a length 1.5 km with an average width of 5 m. A reserve of 6000 tonnes of Kyanite has been inferred upto a depth of 1.5 m with Al_2O_3 content varying from 19.02% to 53.81% and silica content varying from 32.84% to 54.07%.

Graphite:

Incidence of graphite are recorded in the khondalite suite of rocks within a 25 km long and 10 km wide belt extending in NW-SE direction between Dondatopa and Patharkupa of Athmallik sub-division. The graphite occurs as flakes and disseminations. The important locations are Kamalpur, Dandatopa, Bhuasuninali, Adeswar, Girida, Akharkata, Sanrohila, Lanchi, Govindapur, Polamahal, Siariamalia, Cherkhandi, Karadagadia, Dhauragoth, Brahmanidei and Padmapokhari. Graphite occurrence near Dandatopa is high grade and pocket type where the F.C. content varies between 54% to 77%. In the remaining areas, graphite occurs as disseminations and flakes in khondalites with F.C. content ranging from 5% to 15%.

Besides the above, occurrences of graphite are reported around Badakantakul, Kanja and Talisara in Angul sub-division.

China clay:

China clay occurs in Panduripathar area of Athmallik sub-division. It extends over a strike length of 250 m with an average width of 150 m.

Precious and Semi-Precious Stones:

Garnet (pink, violet, red and honey yellow varieties), red corundum, moonstone, blue Kyanite etc. have been reported in Nuagaon, Parhang, Burubura, Kulad, Karanpal area of the district.

Manganese Ore:

Floats of Pyrolusite and psillomelane are strewn over the ground near Teleipathar, Pathartaila and Akharkata village

Decorative and Dimension stone:

Granite, granite-gneiss, porphyritic granite gneiss and charnockites exposed between Boinda and Athmallik along the roadside are suitable for decorative and dimension stone. 4800 cu. m of decorative and dimension stone has been estimated in Govinda Panasahi and Durgapur Panasahi.

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.

In the district of Angul, there are ten working mines and two non-working coal mines. Besides, one sand and one quartz mines are also operating in this district. Detailed of the working/non-working mines are given below.

Sl. No.	Name of working mines	Mineral	Area (in sq. km)
1	Talcher Colliery	Coal	11.4
2	Nandira Colliery	Coal	3.70
3	Jagannath Colliery	Coal	5.12
4	Bharatpur OCP	Coal	17.67
5	Anata OCP	Coal	5.35
6	Lingaraj	Coal	12.48

7	Balaram OCP	Coal	11.17
8	Hingula OCP	Coal	10.64
9	Chhendipada OCP	Coal	0.24
10	Bhubaneswari	Coal	6.88
11	Mandapal Sand mine for stowing	Sand	0.18

Name of the non-working Mines:

- | | | |
|----|--------------------------------|----------|
| 1. | Deulabera Colliery | Coal |
| 2. | Handidhua Colliery | Coal |
| 3. | Kakudi & Kishoripal Sand Mines | Sand |
| 4. | Bilinga/Bikser Sand Mines | Sand |
| 5. | Kandapal Sand Mines | Sand |
| 6. | Telisinga F.C. Mines | Fireclay |

3. LIST OF LEASES WITH LOCATION, AREA AND PERIOD OF VALIDITY

Enclosed as Annexure I

4. DETAILS OF ROYALTY COLLECTED (Rs)

Sl.No	Name Of Tahasil	2015-16	2016-17	2017-18	2018-19
1	Atthamalik	224979	762239	924352	924672
2	Kishorenagar	415297	119821	0	0
3	Pallahara	0	29554	200806	180642
4	Talcher	10966344	7834495	4833791	4709150
5	Banarpal	0	0	0	0
6	Chhendipada	0	0	0	0
7	Kaniha	3983764	4307167	4270363	4077484
TOTAL		15590384	13053276	10229312	9891948

5. DETAILS OF PRODUCTION OF SAND

Sl.No	Name Of Tahasil	2015-16	2016-17	2017-18	2018-19
1	Atthamalik	9158	9160	9163	9167
2	Kishorenagar	3945	4620	5295	5970
3	Pallahara	1200	1350	1500	1650
4	Talcher	113161.5	127967.5	90006	86427.5
5	Banarpal	0	0	0	0
6	Chhendipada	0	0	0	0
7	Kaniha	65418	65588	66887	64067
TOTAL		192882.5	208685.5	172851	167281.5

6. PROCESS OF DEPOSIT OF SEDIMENTS IN THE RIVERS

The drainage of the district is mainly controlled by rivers like Mahanadi, Brahamani, Tikira and their tributaries. During rainy season the river water carries sand which is formed due to disintegration of rock bodies along with other suspensions. After recession of the water flow the sand gets deposited in the locations where there is less energy.

7. GENERAL PROFILE

a. Administrative set up:

SI No	Item	Unit	Magnitude
1	Location		
	Longitude	Degree	84°16' to 85°23' East
	Latitude	Degree	20° 31' to 21°41' North
2	Geographical area	Sq.Km.	6375
3	Sub-division	Numbers	4
4	Tahasils	Numbers	8
5	C D Blocks	Numbers	8
6	Municipalities	Numbers	2
7	NACs	Numbers	1
8	Police Stations	Numbers	23
9	Gram Panchayats	Numbers	225
10	Villages	Numbers	1871
	Inhabited	Numbers	1654
	Uninhabited	Numbers	217
11	Assembly constituencies	Numbers	5

b. Area and Population:

The district has an area of 6375 sq. kms and 12.74 lakhs of population as per 2011 census. The district accounts for 4.09 percent of the states territory and shares 3.03 percent of the state's population. The density population of the district is 200 per sq. km as against 270 person per sq. km. of the state. It has 1871 villages (including 217 un-inhabited villages) covering 8 blocks, 8 Tahasils

and 4 Subdivisions. As per 2011 census the schedule caste population is 239552 (18.8.%) and schedule tribe population is 179603 (14.1.%). The literacy percentage of the district constitutes 77.53 against 72.9 of the state.

c. Climate :

The climate condition of the district is generally hot and high humidity during April to May and cold during November to December The monsoon generally breaks during the month of July, Average annual rainfall of the district was 1147.52 mm during last four years, which is less than the normal rainfall 1401.9 m.m.

d. Economy:

Agriculture occupies a vital place in the economy of Angul District, as it provides direct and indirect employment to around 70 % of its total work force, as per the 2001 census. The total cultivable area of this District is 2, 16,403 hectares, covering 32.7 % of its total geographical area. The major crops of the Kharif season are paddy, maize, ragi, oilseeds, pulses, small millets and vegetables etc. Paddy, wheat, maize, field pea, sunflower, garlic, ginger, potato, onion, tobacco, sugarcane and coriander etc are the major Rabi crops.

The last decade has witnessed a tremendous improvement in the industrial scenario of Angul District. Many public sector undertakings have setup up plants and offices here, like National Aluminium Company Limited (NALCO), Mahanadi Coal Fields Limited (MCL), National Thermal Power Corporation (NTPC) and Talcher Thermal Power Station (TTPS). One of the major coalfields is the Talcher coalfield, which contains huge reserves of power grade non-coking coal. Engineering Units, Rice Mills, Hotels, Fly Ash Brick units, Stone Crushers, Service Units, Bleaching units, Bread and Bakery units, Tyre Retreading units, Flour Mills and Spices Grinding units etc. are some of the small scale industries functioning here.

Dhokra casting works, Terracotta works, Wood carvings, Art textiles and Soft toys etc are some examples of the crafts that have been generating revenues for this District. The District Industries Center functioning in the District promotes its various industrial activities.

e. Industry:

The locational advantage and abundant stock of manpower and raw materials have played an important role in the industrial development of the district. The important PSUS of the district are the NALCO, the MCL. Besides, during the year 2014-15, 1011 nos of Micro Small and Medium Enterprises have been Established with total capital investment of about Rs 68386.94 lakhs with 7447 nos of Employment generated in Angul district. Apart from this a good number of Thermal power plants and sponge plants have been established within the district including NTPC and various private companies due to abundant availability of thermal grade coal. Besides various kinds of handicraft works like dhocra casting, bell metals, textile products have been developed by the skilled workers and artisans of the district.

No. of MSME units set up	Investment (In Rs. crores)	Employment Generated				Employment of women
		SC	ST	General	Total	
2325	20936.67	2337	704	4175	7216	405

f. Agriculture:

During the year 2017-18 the net area sown was 197 thousand hectares against 5356 thousand hectares of the state. The production of was as below:

Name	Pad dy	Whe at	Maiz e	Mun g	Biri	Kulth i	Tiil	Grou ndnu t	Musta rd	Potato es	Jute	Suga rcan e
Producti on in 000 MT	188.63	0.09	14.86	15.95	17.36	4.35	14.84	20.72	1.72	0.00	18.00	4.55

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	4354	2025	853	7232	25.45

g. Power:

Consumption of electricity in Angul district during the year 2013-14 covers 1167.05 million units and villages so far electrified as on 31.03.2014 is 1618 revenue villages which constitutes 97.8% to the total inhabited revenue villages of the district.

h. Transport & Communication:

Railway route length (14-15) km	105.51
No of Rly stations and PH(14-15)	12
Forest road (17-18) km	449.54
National Highway (16-17) km	235.93
State Highway (17-18) km	186.13
Major district road (17-18) km	64.42
Other dist road (17-18) km	739.03
Rural road(17-18) km	1391.83
Inter village road (16-17) km	2093.93
Intra village road (16-17) km	2298.06

i. Health:

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

Sub divisional hospitals including mobile	4 No
Beds facilities	392 No
Homoeopathic dispensaries	16 No
Ayurvedic dispensaries	19 No

j. Tourist places:

There are 13 nos. of tourist center such as Angul, Banarpal, Bhimkand, Binikei, Bulajhar, Deulajhari, Tikarapada, Talchar, Handapa patrapada, Hingulapitha, khuladi, Rengali and Derjanga as identified by Department of Tourism and culture,

Odisha. During 2015 the number of Domestic tourists were 758273 and foreign tourists were 241 who visited the tourists sports of the district.

k. Forest areas:

Category of forest	Area in sq km
Reserve Forest	1760.76
Unclassified Forest	1.15
Demarcated Protected Forest (DRF)	273.21
Undemarcated Protected Forest	11.99
Other forest under Revenue Dept	669.71
Total	2716.82

l. Education:

Primary School (2017-18)	No. of Schools	1004
	Enrolment (No)	111635
	Pupil Teacher Ratio	21.41
Upper Primary School 2017-18	No. of Schools	680
	Enrolment (No)	63888
	Pupil Teacher Ratio	19.82
General College 2017-18	Junior	43
	Degree	23
Secondary School	No. of Schools	282
	Enrolment (No)	36666
	Pupil Teacher Ratio	25.71
Literacy Rate, 2011	Male	86.0
	Female	68.6
	Total	77.5

m. Culture & Heritage:

Angul district is very much rich in its fairs and festivals. Laxmi Puja is celebrated in the city of Angul. The celebration starts from Kumar Purnima and continues for long 11 days. Ganesh Puja of Talcher is one of the most famous festivals celebrated in the District. Amb Nua (fresh mango eating), Raja, Gammha Purnima, and Push Punei are functions celebrated by the people with much enthusiasm. The number of fairs and festivals observed in the district showcase its varied culture vividly.

8. LAND UTILISATION PATTERN

SI No	Landuse	Area in '000Ha
1	Forest Area	272
2	Misc. trees & Grooves	23
3	Permanent Pasture	36
4	Culturable Waste	19
5	Land put to Non Agril Use	28
6	Barren & Unculturable Land	17
7	Current Fallow	19
8	Other Fallow	17
9	Net Area Sown	197
10	Mining	10
	Geographical	638

9. PHYSIOGRAPHY

Physiographically the district can be divided into three regions :

- (i) Northern Mountainous Region
- (ii) Central Undulating Plain
- (iii) Southern & South-western Mountainous Region.

Northern Mountainous Region: This region contains WNW – ESE trending hills immediately north of the Talcher coalfield and NW-SE trending hills towards the boundary of Keonjhar district which locally changes to E-W direction and form the Malayagiri hill, in the south of Pallahara. Malayagiri hill contains one of the loftiest peaks (1,187 m.a.m.s.l in Odisha. The hills and ridges are separated by broad valleys and low hilly areas. The heights above sea level of this region vary from about 76 meters on the bank of Brahmani river to 1,187 meters on Malayagiri peak. The high hills of this region are composed of Quartzites while the lesser hills are made of Quartz-Mica schists, Granites and other rocks. The broad valleys are mostly underlain by gneissic rocks.

Central Undulating Plain: The Central part of the district is characterized by undulating plain. This region is covered by Talcher subdivision and northern parts of Angul and Athmalik subdivisions. The Brahmani valley portion of this region exposes mainly Granites and its variants and Gneisses with occasional hillocks of Khondalites,

while the remaining part from west of Murhi and north of Angul up to the western end of the district is characterized by considerably flat country underlain by sedimentary rocks of Gondwana Group having large deposits of coal (Talcher Coalfield). The general slope of the area is from WNW-ESE.

Southern and South Western Mountainous Region: The Southern and South Western parts comprise of hill ranges trending WNW-ESE and is covered by the sub-divisions of Athmalik and Angul. The elevations vary from 60 to 971 meters above sea level. Banamadali peak in Angul Sub-division is 790 meter in height. In Athamallik Subdivision the main peaks are Panchadhara and Hingamandal hills. The southern & south western 11 hilly regions form the watershed between Brahmani and Mahanadi rivers.

10. RAINFALL

The district is generally hot with high humidity during April and May and cold during December and January. The monsoon generally breaks during the month of July and continues till end of October. The temperature goes as high as up to 45°C in the summer and up to 7^o-8^o C during peak winter.

The rainfall statistics of the district for last four years is given below:

Year/ Month	April	May	June	July	August	Sept	Oct	Nov	Dec	Jan	Feb	March	Total
15-16	37.04	39.93	218.86	343.29	224.64	142.20	16.38	0.23	31.85	0.63	24.98	42.59	1122.62
16-17	1.93	44.25	126.63	267.16	389.86	143.23	98.26	4.90	NIL	8.43	NIL	22.44	1107.09
17-18	1.23	35.76	201.05	213.38	213.05	143.69	109.87	16.90	NIL	NIL	NIL	0.10	935.03
18-19	74.34	80.10	123.42	333.20	299.31	295.03	114.29	2.70	50.95	0.40	27.00	24.60	1425.34
Avg.	28.63	50.01	167.49	289.25	281.72	181.04	84.70	6.18	20.70	2.36	13.00	22.43	1147.52

11. GEOLOGY AND MINERAL WEALTH

The rocks of Eastern Ghat Supergroup, Gorumahasani Group and Lower Bonai Group are overlain by laterites (both in-situ and transported). The Eastern Ghat Super-group of rocks mainly comprises quartz - feldspar -garnet - sillimanite - graphite schist /gneiss, garnetiferous quartzite, charnockite, pyroxene granulite, leptynite and augen gneiss. The metasedimentaries of Gorumahasani Group constitute quartzite, gritty quartzite, quartz - mica schist, fuchsite quartzite, quartz - chlorite schist, hornblende schist, and metabasics. The Lower Bonai Group

constitutes biotite gneiss, biotite-hornblende granite gneiss and granodiorite. Metasedimentaries of Lower Bonai Group consist of ferruginous shale, cherty shale, phyllite, sandstone and conglomerate. The Gondwana Supergroup consists of sandstone, shale, conglomerate and fire clay. The Quaternary sediments mainly consist of sandy clay with calcareous concretions, coarse to fine sand, silt and clay.

The geological succession in the district is as follows:

STRATIGRAPHY:

AGE	GROUP/SUPER GROUP	FORMATION	LITHOLOGY
Holocene	Quaternaries	Brahmani / Mahanadi formation	Alluvium
Upper Pleistocene to Holocene Pleistocene	Tertiaries	Kaimundi formation	Gray sandy clay with calcareous concretions Laterite / Latosol (in situ)
Permian to Triassic		Mahadeva Formation	Sandstone, shale
Permian	Gondwana Supergroup	Barakar, Barren Measures, Raniganj & Damuda Formations (Unclassified)	Conglomerate, sandstone, shale, coal
Carboniferous (?) to Permian		Talchir Formation	Sandstone, shale, fillite
Archaean to Palaeoproterozoic		Lower Bonai Group	Gabbro Metavolcanics Granite, biotite gneiss, biotite - hornblende granite gneiss, granodiorite
		Gorumahisani Group	Ferruginous shale, cherty shale with ash IBT and tuts, mangariferous shale/ phyllite Gritty sandstone, orthoquartzite, conglomerate Metabasics
		Granitoids	Quartzite, sericite schist, quartz schist, quartz -mica schist, mica schist, micaceous quartzite
Archaean		Charnockite Group	Actinolite quartzite, tremolite - actinolite schist Augen gneiss, garnetiferous gneiss, biotite gneiss, migmatised khondalite Leptynite
	Eastern Ghat Supergroup		Acid and intermediate charnockite Basic charnockite, pyroxene granulite
		Khondalite Group	Quartz-feldspar-garnet- sillimanite graphite schist/ gneiss Coarse crystalline quartzite, quartz-sillimanite schist, garnetiferous quartzite

- a. Detail of river/stream/other sand source- Sand mining in the district is confined to rivers like Mahanadi, Brahamani, Tikira and their tributaries.
- b. Availability of sand or gravel or aggregate resources- sand- 75,11,279 cum (Please refer Annexure I), Gravel- Nil, Aggregate- Nil. This is the maximum volume of sand which can be quarried out from the sources of the district and has been calculated as 60% of the quantity derived by multiplying the area of the source with 3m thickness as the exact resource of sand is not possible to calculate due flowing water of last monsoon.
- c. Detail of existing mining leases of sand and aggregates- For sand pl refer Annexure I. Aggregate- Nil


1. DETAILS OF AREAS WHERE THERE IS A CLUSTER OF MINING LEASES


Four clusters have been designated in Kaniha Tahasil and Talcher Tahasil namely Cluster 1(KAN), Cluster 2(KAN), Cluster 1(TAL) & Cluster 2(TAL). Details of the clusters are as below:


KANIHA TAHASIL				
SL NO	CLUSTER NAME	QUARRY NAME	AREA(IN HA)	AREA(IN AC)
1	CLUSTER-1(KAN)	KAMAREI SAND QUARRY	4.65	11.50
2		CHANDRABIL SAND QUARRY	2.02	5.00
KANIHA TAHASIL				
SL NO	CLUSTER NAME	QUARRY NAME	AREA(IN HA)	AREA(IN AC)
1	CLUSTER-2(KAN)	KHAJURIA SAND QUARRY	6.07	15.00
2		DERANGA SAND QUARRY	6.07	15.00
TALCHER TAHASIL				
SL NO	CLUSTER NAME	QUARRY NAME	AREA(IN HA)	AREA(IN AC)
1	CLUSTER-1(TAL)	NIJAGARHZAMI SAND QUARRY	4.07	10.06
2		DHOBAPAL SAND QUARRY	7.28	18.00
TALCHER TAHASIL				
SL NO	CLUSTER NAME	QUARRY NAME	AREA(IN HA)	AREA(IN AC)
1	CLUSTER-2(TAL)	SANTHAPADA(A) SAND QUARRY	11.33	28.00
2		SANTHAPADA(B) SAND QUARRY	7.28	18.00

DRAINAGE SYSTEM AND DESCRIPTION OF SALIENT FEATURES OF MAIN RIVERS AND STREAMS


Detail of the potential of river sand of the district is submitted as Annexure I.


24/09/2021.
R.O. Khanna, Durgam Division -



24/09/21
Sub Collector, Talcher.

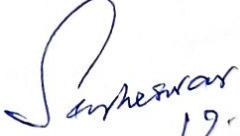

24/12/2021
Sub Collector, Athmalik


12/03/2021
Divisional Forest Officer
Athmalik Division


24/09/21
Sub Collector Angul


19/10/21
Divisional Forest Officer
Angul Division


24/12/21
Sub Collector, Pallabani


19.09.2021.


Collector, Angul

(Sni Sarbeswar Das,
Retd E.F. MI Angul
Expert Member, DEIAA)

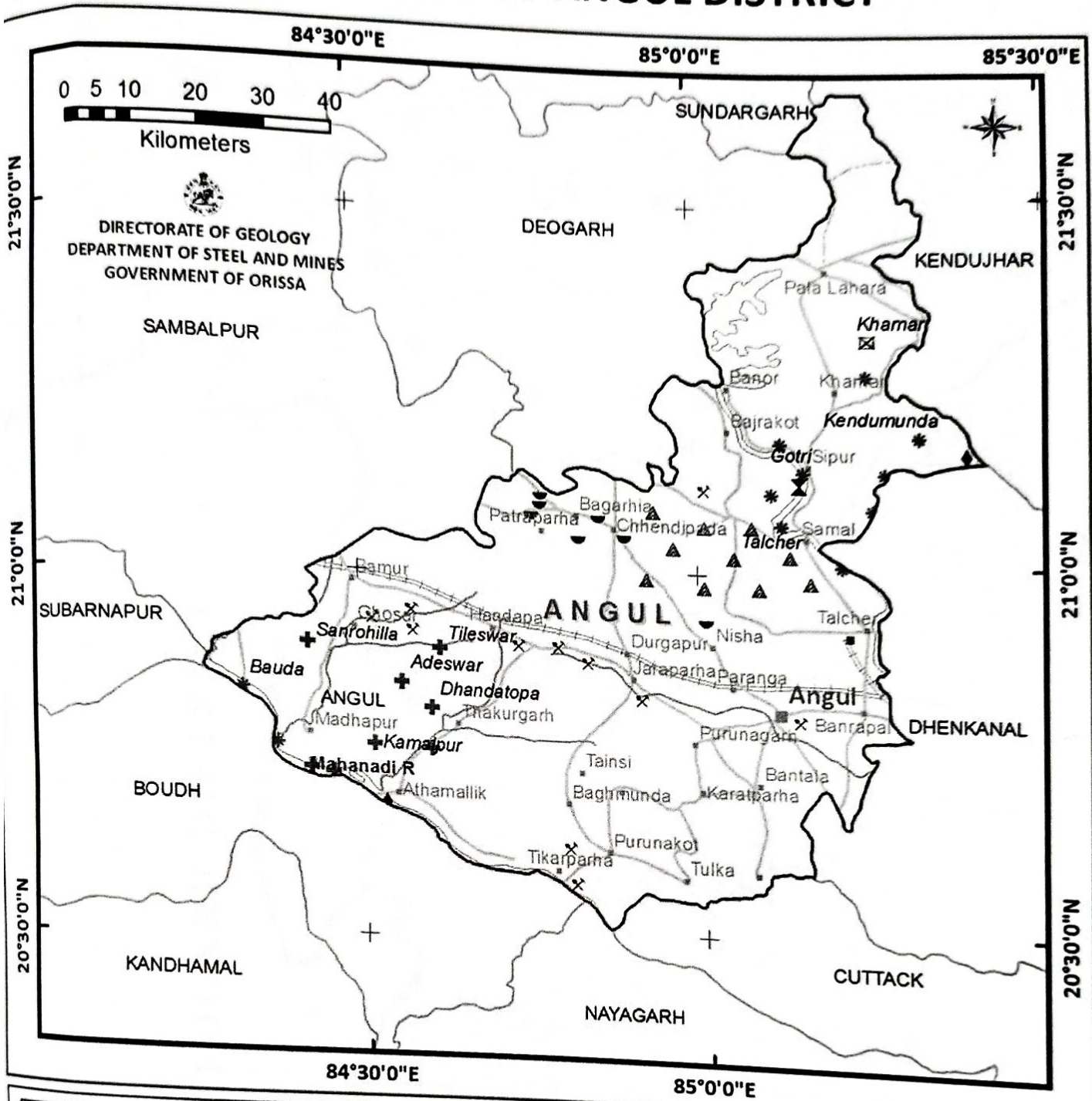
ANNEXURE - I

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			16			17
														D	M	S	D	M	S	
SL NO	NAME OF TAKER ASIL	NAME OF SOURCE	STATUS	Khat No.	Plot No.	AREA IN AC	NAME OF MINOR MINERAL	NAME OF LESSEE	ADDRESS & CONTACT NO OF LESSEE	DATE OF REGISTRATION OF LEASE DEED	NO & DATE OF GRANT OF ENV CLEARANCE	NAME OF SUCCESSFUL BIDDER	ADDRESS & CONTACT NO OF SUCCESSFUL BIDDER	D	M	S	D	M	S	RESERVE IN CUM AS PER MINING PLAN
1	Kanitha	Demphanala (Sanatribidanda Sand quarry)	Non-working	241	2091	12	SAND					Parama Nanda Sahoo	S/o- Madan Sahoo AT/PO- Derang, PS- Kanitha, Dist- Angul, PIN- 759117 Mob- 8847833109	8	3	2	0	2	2	48780
2	Kanitha	Tikira Tolakabeda Sand Quarry)	Non-working	111	1, 1/32 47	12.5	SAND	Biswamohan Srichandan Ray	S/o- Benudhar Jena, AT- Naharakanta, PO- Naharakanta, PS- Mancheswar, Dist- Khurdha Mob- 7008056953					8	3	5	3	0	9	90900
3	Kanitha	Bajrakote Sand Quarry	Non-working	519	2402	13.5	SAND							8	3	2	2	1	2	116995










17	Chhendipada	Kampasa Sand Quarry	New	323	690 1, 561 0	7.41	SAND	Dharmendra Sahu	S/O- Mohan Ch Sahu, At- Derenga, PS- Kaniha	04.07.20	10151/SEI AA nDt. 17.12.20	Dharmendra Sahu	S/O- Mohan Ch Sahu, At- Derenga, PS- Kaniha	8 4	5 8	2 5	1 1	8 7	2 9	28080
18	Chhendipada	Mandua Sand Quarry	New	70	220 1	12.3 5	SAND	Ajit Sahu	At- Derenga, PS- Kaniha	04.07.20	8416/SEI A Dt. 20.06.20	Ajit Sahu	At- Derenga, PS- Kaniha	8 4	5 9	4 1	2 6	2 9	90000	
19	Chhendipada	Kankarpal sand quarry	New	66	123 0, 105 1	4.79	SAND	Jitendra Sahu	S/O- Uday Sahu, At- Changudia, PS- Chhendipada		10192/SEI AA Dt. 17.12.20	Jitendra Sahu	S/O- Uday Sahu, At- Changudia, PS- Chhendipada	8 4	5 6	1 1	2 1	6 2	18440	
20	Chhendipada	Takua sand quarry	New	332	166 9	2.11	SAND	Bhagirathi Swain	M/S Durga Condev (P) Ltd.			Bhagirathi Swain	M/S Durga Condev (P) Ltd.	8 4	5 9	2 2	4 1	1 1	3049	
21	Chhendipada	Badabarna sand quarry	New	316	401 6	5.06	SAND	Pabitra Mohan Sahu	S/O- Sanju Sahu, Vill- Derenga, PS- Kaniha			Pabitra Mohan Sahu	S/O- Sanju Sahu, Vill- Derenga, PS- Kaniha	8 4	5 6	2 5	7 9	1 9	18550	
22	Kishorengar	Raniakata	New	51	1	14.0 5	SAND							8 4	2 6	4 6	2 0	5 3	102347	
23	Kishorengar	Sanarohila	New	88	688/ 840, 244/ 834, 374	15.1 2	SAND							8 4	2 6	8 0	2 3	5 7	110142	
24	Talcher	Gopinathpur	Running	83	100/ 343	22.5 1	SAND	Banabar Bhutia	Talcher Town- 9556627975	-	-	-	-	8 5	1 4	8 0	2 6	5 5	163898	
25	Talcher	Dhobapal	Running	22	181/ 186	18	SAND	Maresh Ku Agrawala	Talcher Town- 9437042621	-	-	-	-	8 5	1 4	5 0	2 5	2 5	131118	
26	Talcher	Nizgarhazami	Running	446	369 5	24.8 6	SAND	Pitambar Bhutia	Talcher Town- 9556627975	-	-	-	-	8 5	1 4	5 0	2 5	2 5	181015	
27	Talcher	Sirigida	Running	142	179 1	18	SAND	Sanghamitra Bhutia	Sirigida- 9938134424	-	-	-	-	8 5	1 3	1 9	2 0	4 5	36903	

37	Athamallik	Bankapal Sand Quarry	Running	54	415	15.35	SAND	Rohitwasa Pradhan	Khadarapada P.O:- Kudgoan Dist:- Angul S/o Dharmapada Pradhan At:- Ramachandrapur P.O:- Bamur Dist:- Angul	24.01.17	Lt.No.2323/Dt 13.12.16	84807	10257	84807	25221
38	Athamallik	Ghodamara Ghat River Sand Quarry	Running	840	3359	17	SAND	Ghasiram Mahakud	S/o Dhabaleswar Mahakud At:- Khadarapada P.O:- Kudgoan Dist:- Angul Mob:- 8658969725	02.07.2016	Lt.No.1729/Dt 25.06.16	8427	72401	8427	15200
39	Athamallik	Khadarapada sand Quarry (B)	New	33	410	30	SAND					84253	15249	84253	220850
40	Athamallik	Tainsar Sand Quarry	New	72	741747	50.8	SAND					84243	4243	84243	182066
41	Athamallik	Niakanthapada Sand Quarry	New	72	762	54.2	SAND					84274	3248	84274	403926
42	Athamallik	Keutabhui n Sand quarry	New	7	25	87.2	SAND					84299	2240	84299	662796
43	Athamallik	Odasinga Sand quarry	New	173	1829, 1830, 1831, 1832	347.07	SAND					84294	2240	84294	2699066







MINERAL MAP OF ANGUL DISTRICT

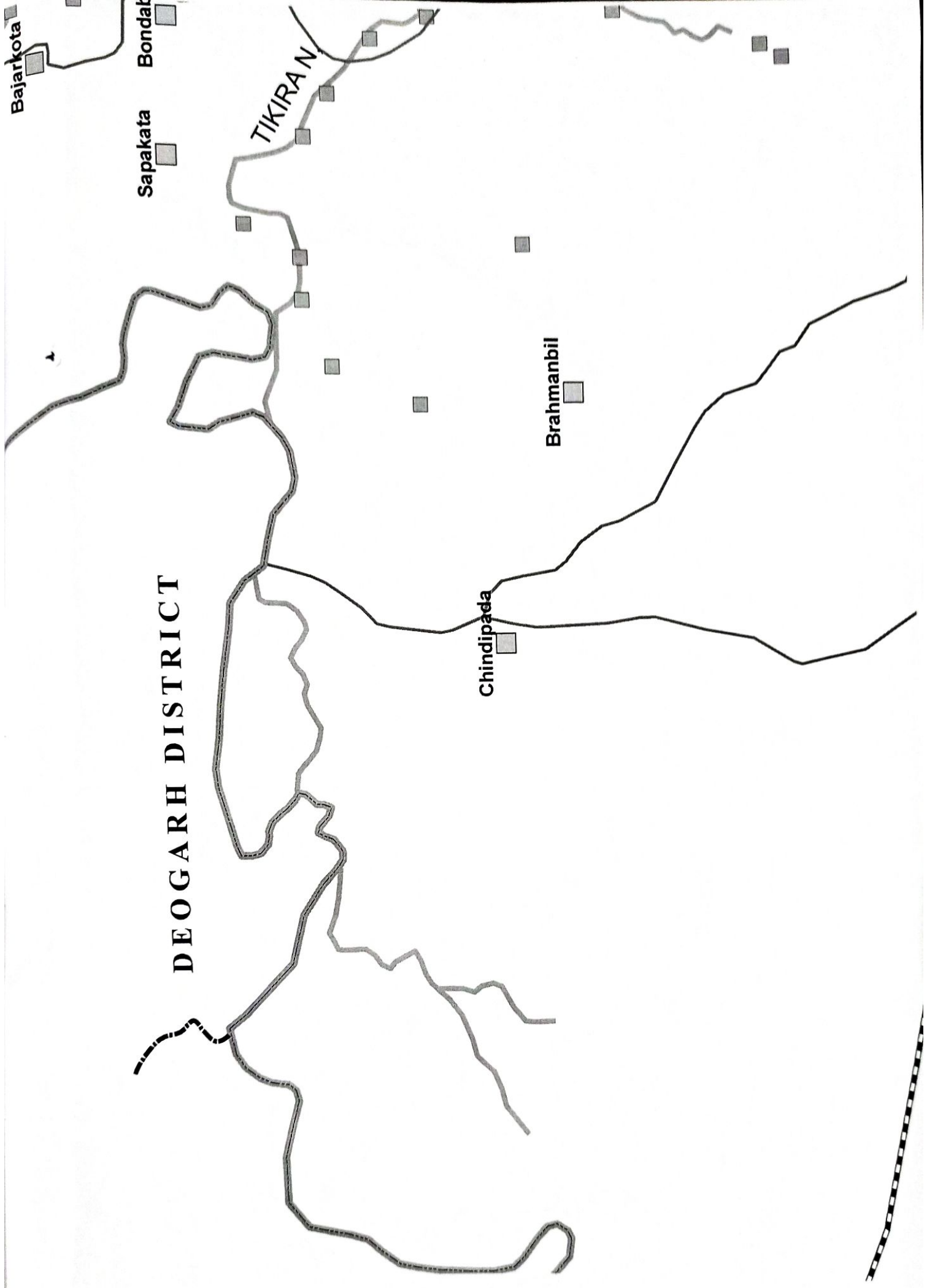


Legend

- | | | | |
|---|----------------------|---|------------------|
|  | District Boundary |  | National Highway |
|  | Village/ Town |  | Major Road |
|  | District headquarter |  | Minor Road |
|  | Drainage |  | Railway |
| | |  | Waterbody |

Mineral Occurrence

- | | |
|---|-----------------|
|  | Coal |
|  | Dimension Stone |
|  | Gemstone |
|  | Gold |
|  | Graphite |
|  | Fireclay |



Bajarkota

Sapakata

Bondab

TIKIRAN

DEOGARH DISTRICT

Chindipada

Brahmanbil