



OFFICE OF THE COLLECTOR & DISTRICT MAGISTRATE: SUNDARGARH
(Mining Section)

No. 79 /Dt. 19.03.2020

To

The Additional Chief Secretary to Govt.
Revenue & D.M. Deptt., Odisha,
Bhubaneswar.

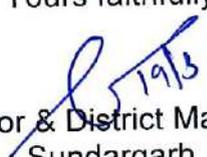
Sub: - Inclusion of New sources in the District Survey Report for grant of
Environmental Clearance in favour of Mining leases of Minor Minerals.

Sir,

In continuation to this office letter No.692 dtd.02.12.2019, I am to say that 17 nos of new sairat sources (9 nos of Stone quarry, 6 nos of Sand quarry and 2 nos of Moorum quarry) have been identified in Sundargarh and included in the survey report and uploaded in the District Website. The revised District Survey Report has also been published in the notice board of Collectorate, Sundargarh for information of general public.

A copy of the revised District Survey Report of minor minerals is enclosed herewith for favour of your kind information and necessary action.

Yours faithfully,


Collector & District Magistrate,
Sundargarh.

Memo No. 80 /Dt. 19.03.2020

Copy along with a copy of District Survey Report is submitted to the
Director Environment-cum-Special Secretary to Govt. F&E Deptt. Odisha,
Bhubaneswar for favour of kind information.


Collector & District Magistrate,
Sundargarh.

PROPOSED OF NEW SOURCES OF MINING LEASES IN THE DISTRICT OF SUNDARGARH

STONE

Sl.No.	Tah.SI No.	Tahasil	Name of Sairat Sources	Minor Mineral Available	Village	Khata No.	Plot No.	Kisam	Area in Acre
1	1	Lephripara	Raidihi-I	Stone	Raidihi	205	787	Ba.Sa	0.31
							783	Ba.Sa	0.96
							784	Ba.Sa	0.33
							789	Ba.Sa	0.90
							811	Ba.Sa	0.70
							813	Ba.Sa	2.93
							875	Ma.Sa	0.07
							887	Ba.Sa	0.75
							812	Ba.Sa	0.16
							815	Ba.Sa	0.04
							816	Goda-II	0.03
							869	Be.Sa	0.63
							785	Be.Sa	0.35
							772	Goda-II	8.16
							773	Goda-II	0.38
							774	Be.Sa	0.45
							776	Be.Sa	0.21
820	Ba.Sa	0.29							
866	Ma.Sa	0.08							
867	Be.Sa	0.28							
868	Goda-II	0.13							
858	Be.Sa	0.15							
864	Goda-II	0.79							
822	Be.Sa	0.57							
824	Be.Sa	1.24							
828	Be.Sa	0.30							
857	Ma.Sa	1.31							
831	Ba.Sa	0.05							
831	Ba.Sa	1.57							
7.80									
2			Raidihi-II	Stone	Raidihi	476/14			

3	2	Hemgri	Sarbahal	Stone	Sarbahal	49/134	1132	Ma.Sa	0.70
							1145	Ma.Sa	0.17
							1143	Ma.Sa	0.04
							1140	Goda-II	0.67
							1139	Goda-II	1.92
							1138	Ma.Sa	0.11
							1137	Goda-II	0.19
							1136	Ma.Sa	0.12
							1135	Ma.Sa	0.17
4	3	Kuarmunda	Dumangdiri-II	Stone	Dumangdiri	72 (AAA)			4.09
5			Dumangdiri-III	Stone	Dumangdiri	72(AAA)	262	Pahad	20.37
6	4	Lahuni para	Thiaberna-III	Stone	Thiaberna		663	Tungri	13.46
7	5	Gurundia	San-Musaposh-II	Stone	San-Musaposh		388/p	Patit	6.00
8	6	Koira	San-Thelakudar	Stone	San-Thelakudar		3/p	Pahad	10.00
9	7	Rajgangpur	Jourumal	Stone	Jourumal		4(AAA)	Pahad	9.01
							1133/1570/p	Dunguri	6.00


 COLLECTOR
 SUNDARGARH

SAND

Sl No.	Tah.Sl No.	Tahasil	Name of Sairat Sources	Minor Mineral Available	Village	Khata No.	Plot No.	Kisam	Area in Acre
1	1	Kuarmunda	Padampur	Sand	Padampur	138(AJA)	374/813/p	Nadi	4.85
2			Chandiposh	Sand	Chandiposh	47 (AJA)	159/p	Nadi	4.04
3			Ushra Ghat-I(Raiberna)	Sand	Raiberna	263(AJA)	2256/p	Nadi	2.42
4	2	Lathikata	Ushra Ghat-II(Raiberna)	Sand	Raiberna	263(AJA)	2364/p	Nadi	4.85
5			Balani	Sand	Balani	127	1161/1	Nadi	12.00
6	3	Lahunipara	Ladaam	Sand	Ladaam	1	44/p	Nadi	10.00


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MOORUM

Sl No.	Tah.Sl No.	Tahasil	Name of Sairat Sources	Minor Mineral Available	Village	Khata No.	Plot No.	Kisam	Area in Acre
1	1	Kuarmunda	Baghijore	Morrum	Baghijore	22(AJA)	1	Patit	1.36
2			Dumangdiri	Morrum	Dumangdiri	72(AAA)	234	Dungri	0.93


COLLECTOR
SUNDARGARH



OFFICE OF THE COLLECTOR & DISTRICT MAGISTRATE: SUNDARGARH

(Mining Section)

No. 692 /Dt. 02.12.2019

To

The Principal Secretary to Govt.,
Revenue & D.M. Deptt., Odisha,
Bhubaneswar.

Sub: - Preparation of District Survey Report for grant of Environmental Clearance in favour of Mining lessees of Minor Minerals.

Ref: - Your letter No.24248/R&DM, dtd.17.08.2019
Sir,

With reference to the letter on the subject cited above, I am to say that the District Survey Report for grant of Environmental Clearance in favour of Mining lessees of Minor Minerals of Sundargarh district has already been prepared and approved. The said report has uploaded in the District Website and also published in the notice board of Collectorate, Sundargarh for information of general public

A copy of the District Survey Report of minor mineral is enclosed herewith for favour of your kind information and necessary action.

Yours faithfully,


Collectorate & District Magistrate,
Sundargarh.

Memo No. 693 /Dt. 02.12.2019

Copy along with a copy of District Survey Report is submitted to the Director Environment-cum-Special Secretary to Govt. F&E Deptt. Odisha, Bhubaneswar for favour of kind information.


Collectorate & District Magistrate,
Sundargarh.

DISTRICT SURVEY REPORT

ON

MINOR MINERALS

FOR

SUNDARGARH DISTRICT

2019

BY

**DISTRICT LEVEL ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY (DEIAA),
SUNDARGARH**

CONTENTS

Sl No.	Subject	Page
1	Introduction	1
2	Overview of Mining Activity in the District	2
3	The list of Mining Leases in the District with location area and period of validity	3 to 9
4	Details of Royalty or Revenue received in last three years	10 to 16
5	Details of production of Sand or Bajari or minor mineral in last three years	17
6	Process of Deposition of Sediments in the rivers of the District	17
7	General profile of the District	18
8	Land Utilization Pattern in the district, Forest, Agriculture, Horticulture, Mining etc.	19
9	Physiographic of the District	20 to 23
10	Rainfall of the District: Month- wise	24
11	Geology and Mineral Wealth:	
	a. Drainage system with description of main rivers	25
	b. Salient features of important rivers and streams	26 to 40

1. INTRODUCTION

Minor Minerals such as sand, ordinary stone and boulders etc. have long been used as aggregate for construction of roads, building and others developmental projects. Today, the demand for these materials continues to rise resulting huge extraction of minor minerals. Mining of minor minerals can damage private and public properties as well as aquatic habitats. Excessive removal may significantly distort the natural equilibrium. Hence sustainable & scientific method for extraction, transportation and use of minor minerals can limit the negative externalities and impact on the environment. The minor mineral resources must be utilized in environment friendly manner in scientific and systematic way and with the objective of sustainable development the policy on the subject should have provisions for environment and ecology.

Government of India in the Ministry of Environment, Forest and Climate Change have issued a notification S.O.141(E) dated 1th January,2016 with a view to streamline the process of grant of environmental clearance in favour of projects for mining of minor minerals. Accordingly, category 'B2' projects pertaining to mining of minor minerals shall require prior environmental clearance from the District Level Environment Impact Assessment Authority (DEIAA), which shall base its decision on the recommendations of District Level Expert Appraisal Committee (DEAC), for sustainable mining plan, a survey is carried out by the DEIAA with assistance of Irrigation Department, Forest Department, Public Works Department, Mining Department ect. In the District.

The District survey report shall from the basis for application for environment clearance, preparation of reports and appraisal of the projects. The report shall be updated once in every five years.


COLLECTOR
SUNDARGARH

2. OVERVIEW OF MINING ACTIVITY IN THE DISTRICT

The important minor minerals occurring in the district are ordinary stone boulder, bajri, chips, sand and morrum. Besides, a few other minerals like ordinary earth, clay and brick earth etc. are also found. The detailed account of significant minor minerals available, the working mines of each mineral, area output is given in the following table.

Table I: Mining activities in Sundargarh District

Minor Mineral	No of existing quarries	Area (Ac)	Out-put (Cum) during last three years	Value during last three years
Stone	72	475.09	1326488.14	15,07,54,790
Moorum	8	64.60	251841	26,46,058
Sand	84	829.96	660924.10	5,05,33,655
Ordinary earth	--	--	--	--
Total:-	164	1369.65	2239253.24	203934503

In Sundargarh, main sources of sand are River (river bed and flood plain) and small nallahs, Similarly, dunguri, small rocks, pather chatan etc. are the main sources of stone, ordinary boulders, bajri ect. These minor minerals are being used for construction of roads, buildings and other developmental project.

Mining/quarrying operation of minor minerals is generally governed by Odisha Minor Mineral Concession Rules, 2016. Quarry permit and quarry lease are the two modes of quarrying operation. Quarry lease shall be granted on the basis of competitive bidding mode for a period of at least five years subject to production of approved mining plan and environmental clearances and deposit of all required Govt. dues.

THE LIST OF MINING LEASES IN THE DISTRICT OF SUNDARGARH WITH LOCATION, AREA AND PERIOD OF VALIDITY

TABLE-I

STONE

Sl No.	Tah.SI No.	Tahasil	Name of Sairat Sources	Minor Mineral Available	Village	Khata No.	Plot No.	Kisam	Area in Acre
1	1	Sadar, Sundargarh	Madhupur	Stone	Madhupur	32	187	Stone	16.87
2	2	Lephipara	Badbabga Stone Quarry	Stone	Badbabga	75	954	Patit	1.82
						77	905		2.92
							906		0.37
							836		1.36
							969		2.87
3			Mahikani Stone Quarry	Stone		46	48/619/p	P.Bani	5.00
4	3	Hemgir	Sanbalchuan-II	Stone		42	133	P.Bani	4.02
5			Kanaktora-II	Stone		202	83/1	Dungri	5.10
6	4	Balisankara	Sankarbahal	Stone		101	383	Chattan	2.23
7			Tatijore	Stone		67	655	Pathar Chattan	1.60
8			Peruabhadi (A)	Stone	Peruabhadi	40	516/p	Pahad	5.00
							519/p		2.40
							526		2.60
9	5	Subdega	Peruabhadi (B)	Stone	Peruabhadi	40	445/p	Pahad	1.50
							459/p		0.50
10			Damkuda (A)	Stone	Damkuda	196	454	Nallah	3.26
							455	Goda-II	0.38
							456	Goda-II	0.13
11			Rajgangpur-III	Stone	Rajgangpur	379	985/p	Pahad	2.00
12			Rajgangpur-IV	Stone	Rajgangpur	379	1063		4.65
13			Jouramal	Stone	Jouramal	165	1133/1570/p	Dungri	10
14			Kutunia	Stone	Kutunia	443	2214	Patit	2.18
15							2216		1.86
16	6	Rajgangpur	Bhagattola	Stone	Bhagattola	169	360/p	Pahad	5.00
17			Ramlata	Stone	Ramlata	37	25/p	Pahad	7.00
			Kansbahal	Stone	Kansbahal	132	1914	Dungri	7.69

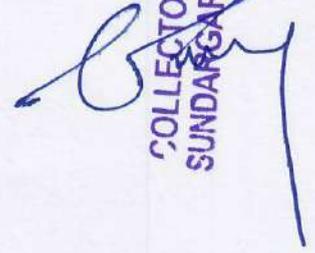
SAND

Sl No.	Tah.Sl No.	Tahasil	Name of Sairat Sources	Minor Mineral Available	Village	Khata No.	Plot No.	Kisam	Area in Acre
1	1	Sadar	Nua Amlipali	Sand	Nua Amlipali	381	475 & 476/1211	River	12.88
2			Kaintara	Sand	Kaintara	76	756/797	River	3.52
3			Samina	Sand	Samina	107	1/1	River	2.40
4			Lankahuda	Sand	Lankahuda	150	1/1	River	4.90
5			Badkachhar	Sand	Badkachhar	119	1783	River	10.87
6			Bhasma	Sand	Bhasma	138	1384/1	River	9.30
7			Chitabhanga	Sand	Chitabhanga	474	2413/1	River	10.20
8	2	Tangarpali	Bilaigarh	Sand	Bilaigarh	217	1240/1	Nadi	5.00
9			Surda	Sand	Surda	126	1186/1	Nadi	3.50
10			Jamunadhipa	Sand	Jamunadhipa	38	290/1	Nadi	3.00
11			Telipali	Sand	Telipali	171	991	Nadi	2.70
12			Kurga	Sand	Kurga	201	2447/p	Nadi	3.70
13			Ergapita	Sand	Ergapita	34	220/p	Nadi	10.00
14			Abankela	Sand	Abankela	175	996/101	Nadi	14.50
15			Nadisuguda	Sand	Nadisuguda	113	338/1350	Nadi	13.50
16			Daldali	Sand	Daldali	153	1492/1652	Nadi	13.30
17			Lemlema	Sand	Lemlema	186	132/1645	Nadi	4.00
18			Tangarpali	Sand	Tangarpali	189	826/p	Nadi	2.00
19	Ratanpur	Sand	Ratanpur	107	577/1157	Nala	2.50		
20	Kurga	Sand	Kurga	201	1991	Nala	1.00		
21	Mangaspur	Sand	Mangaspur	432	1314/1	Jore	1.50		
22	Kurla	Sand	Kurla	168	1720	Jore	2.29		
23	3	Lephripara	Lephripara Sand Bed	Sand	Lephripara	245	1680/1	Nadi	18.48
24			Chhatenpali Sand Bed	Sand	Chhatenpali	140	1686/2145	Nadi	2.18
25			Suruguda Sand Bed	Sand	Suruguda	173	277/1193	Nadi	15.01
26	4	Balisankara	Ghohgar	Sand	Ghohgar	171	607	Nadi	48.13
27			Kusumura	Sand	Kusumura	203	457	Nadi	7.00
28			Bankidihi	Sand	Bankidihi	48	1281/p	Nadi	10.00
							270/457	Nadi	10.45

56		Jharbada		Sand		Jharbada	59	346/p	Nadi	5.00
57		Dhodhari		Sand		Dhodhari	82	550/p	Nadi	12.00
58		Jamsera		Sand		Jamsera	38	59/331/p	Nadi	4.00
59	11	Kundaposh		Sand		Kundaposh	34	1/386/p	Nadi	2.00
60		Khatangkudar		Sand		Khatangkudar	21	9/43	Nadi	2.00
61		Jhirpani		Sand		Jhirpani	211	1593/1750	Nadi	2.00
62		Tarkera -I		Sand		Tarkera	109	410/552/p	Nadi	3.52
63	12	Tarkera -II		Sand		Tarkera	109	410/549/p	Nadi	3.66
64		Tarkera -III		Sand		Tarkera	22	73/541	Nadi	0.95
66		Tumkela		Sand		Tarkera	22	410/552/p	Nadi	3.97
67		Luakera		Sand		Tumkela	2	461/553/p	Nadi	8.00
68		Kansar		Sand		Luakera	78	424/1289/p	Nadi	12.00
69		Attaghat		Sand		Kansar	94	312/339	Nadi	12.00
70		Bhalupatra		Sand		Attaghat	61	211/p	Nadi	12.00
71		Beldihi-I		Sand		Bhalupatra	46	484/1566/p	Nadi	13.00
72	13	Beldihi-II		Sand		Beldihi	146	1/1 & 1/2	Nadi	18.00
73		Kalokudar		Sand		Beldihi	146	40/p	Nadi	11.00
74		Lungei		Sand		Beldihi-II	146	40/p	Nadi	10.00
75		Tumkela		Sand		Kalokudar	43	1/p	Nadi	10.00
76		Birtola		Sand		Lungei	80	296/p	Nadi	6.000
77		Digi		Sand		Tumkela	1	1/p	Nadi	10.00
78	14	Suarpali		Sand		Birtola	1	31/p	Nadi	12.15
79		Poigaon		Sand		Digi	1	27	Nadi	29.65
80		Narendra-II		Sand		Suarpali	1	92/p	Nadi	12.35
81	15	Baliatota		Sand		Poigaon	1	84/p	Nadi	12.35
82		Kolhasahi		Sand		Narendra	1	78/p	Nadi	10.00
83	16	Deogaon		Sand		Baliatota	1	18/p	Nadi	19.80
84				Sand		Kolhasahi	1	6/p	Nadi	5.00
				Sand		Deogaon	1	57	Nadi	29.10
				Sand			1	10	Nadi	4.15

MOORUM

SI No.	Tah.SI No.	Tahasil	Name of Sairat Sources	Minor Mineral Available	Village	Khata No.	Plot No.	Kisam	Area in Acre
1	1	Lahunipara	Gadruan	Morrum	Gadruan	123	545	Gochar	13.42
2	2	Biramitrapur	Kumbhardithi	Morrum	Kumbhardithi	50	53	Patit	5.00
3	3	Balisankara	Raiboga	Morrum	Raiboga	367	769/1	Pahad	9.28
4	4		Budabahal	Morrum	Budabahal	279	101	Gochar	11.7
5	5	Kutra	Deobhubanpur	Morrum	Deobhubanpur	351	2317	Patit	1.6
6	6	Rajgangpur	Dahijira	Morrum	Dahijira	292	541	P.Bani	8.80
7	7	Subdega	Dhaurada	Morrum	Dhaurada	292	541	P.Bani	8.80
			Rasrajpur	Morrum	Rasrajpur	270	1769/P	Patit	6.00


COLLECTOR
SUNDARGARH

DETAILS OF ROYALTY OR REVENUE RECEIVED IN LAST THREE YEARS.

(STONE QUARRY)

Sl.No.	Tah. SI No.	Name of the Tahasil	Name of the Sairat Source	Type of minor minerals	Income generated in the last three years		
					2016-17 5	2017-18 6	2018-19 7
1	2		3	4			
1	1	Sadar, Sundargarh	Madhupur	Stone	228532.00	100000.00	0.00
2	2	Lephipara	Badbabga Stone Quarry	Stone	224032.00	257637.00	1256250.00
3			Mahikani Stone Quarry	Stone	0.00	0.00	0.00
4	3	Hemgir	Sanbalchuan-II	Stone			0.00
5			Kanaktora-II	Stone			0.00
6			Peruabhadi (B)	Stone	15150964.00	26294894.00	834300.00
7	4	Subdega	Peruabhadi (B)	Stone	0.00	0.00	0.00
8			Damkuda (A)	Stone	0.00	0.00	0.00
9			Rajgangpur-III	Stone	359950.00	480276.00	0.00
10			Rajgangpur-IV	Stone	387231.00	483309.00	494840.00
11			Jouramal	Stone	0.00	0.00	483309.00
12			Kutunia	Stone	615004.00	627412.00	0.00
13			Bhagattola	Stone	0.00	402817.00	163307.00
14			Ramlata	Stone	0.00	0.00	250590.00
15	5	Rajgangpur	Kansbahal	Stone	0.00	0.00	827858.00
16			Barangakhoh	Stone	868027.00	0.00	1005025.00
17			Raikakachhar	Stone	778050.00	527774.00	0.00
18			Sunakhandi	Stone	0.00	0.00	0.00
19			Rajgangpur-I	Stone	0.00	0.00	264900.00
20			Rajgangpur-II	Stone	0.00	0.00	264900.00
21			Kumarkela-I	Stone	0.00	0.00	0.00
22			Kumarkela-II	Stone	0.00	0.00	0.00
23			Besrapara Kudabeda	Stone	4395307.00	0.00	0.00
24	6	Kuarmunda	Dumangdiri-I	Stone	0.00	0.00	1979442.00
25			Dumangdiri-II	Stone	0.00	0.00	0.00
26			Jamankera	Stone	0.00	0.00	0.00
27			Rithatoli	Stone	0.00	0.00	0.00

28	7	Biramitrapur	Joketa	Stone	0.00	0.00	0.00	0.00
29			Bispur	Stone	0.00	0.00	0.00	0.00
30			Sorda-I	Stone	0.00	0.00	0.00	0.00
31			Sorda-II	Stone	0.00	0.00	0.00	0.00
32			Mahiberna	Stone	0.00	0.00	0.00	0.00
33			Dumerta-I	Stone	0.00	0.00	0.00	0.00
34			Kudarbahal-III	Stone	127000.00	139000.00	141000.00	141000.00
35			Mochikucha	Stone	236000.00	251000.00	236000.00	236000.00
36			Kudarbahal-I	Stone	230000.00	330000.00	300000.00	300000.00
37	8	Bisra	Kudarbahal-II	Stone	0.00	0.00	0.00	0.00
38			Mahipani	Stone	262000.00	300100.00	300100.00	300100.00
39			Bhalulata	Stone	168000.00	189000.00	211000.00	211000.00
40			Birkera	Stone	0.00	0.00	0.00	0.00
41			Dumerta	Stone	0.00	0.00	0.00	0.00
42			Koparanda	Stone	0.00	0.00	0.00	0.00
43			Jharbahal -I	Stone	175000.00	533000.00	191000.00	191000.00
44	9	Rourkela	Jharbahal -II	Stone	0.00	656575.00	1626958.00	1626958.00
45			Tangarpali -I	Stone	0.00	254990.00	673090.00	673090.00
46			Jalda	Stone	154500.00	204750.00	204750.00	204750.00
47			Balanda	Stone	2500000.00	0.00	1537380.00	1537380.00
48			Balanda	Stone	2772000.00	0.00	4566600.00	4566600.00
49			Balanda	Stone	2079000.00	0.00	6040635.00	6040635.00
50			Balanda	Stone	1850450.00	0.00	2456900.00	2456900.00
51			Balanda	Stone	633600.00	0.00	3395925.00	3395925.00
52	10	Lathikata	Balanda	Stone	0.00	8487072.00	14135532.00	14135532.00
53			Balanda	Stone	625250.00	934500.00	655750.00	655750.00
54			Balanda	Stone	556400.00	709800.00	750750.00	750750.00
55			Balanda	Stone	393932.00	0.00	5815465.00	5815465.00
56			Asurchapal	Stone	0.00	4013700.00	4171100.00	4171100.00
57			Garjan	Stone	0.00	556000.00	583800.00	583800.00
58			Garjan	Stone	134640.00	191140.00	242424.00	242424.00
59			Thiaberna-I	Stone	198000.00	187680.00	193200.00	193200.00
				Stone	125000.00	127000.00	126000.00	126000.00

60			Thiaberna-II							
61	11	Lahunipara	Jamirdihi	Stone	375000.00	511000.00	500100.00			
62			Daleisara	Stone	0.00	0.00	0.00			
63			San Tikayatpali	Stone	19000.00	80000.00	0.00			
64			Toda	Stone	412000.00	1338000.00	0.00			
65	12	Koida	Thelakudar	Stone		543456.00	543456.00			
66			Sianbahal	Stone		1826820.00	1826820.00			
67			K.Balang	Stone	0.00	0.00	20.00			
68			Katuridhua- 2	Stone	102112.00	102112.00	102112.00			
69	13	Gurundia	San-Musaposh	Stone	510818.00	715149.00	715149.00			
70			Bad-Bhulata	Stone	84876.00	0.00	0.00			
71	14	Bonai	Chandrapur	Stone	0.00	0.00	425448.00			

**DETAILS OF ROYALTY OR REVENUE RECEIVED IN LAST THREE YEARS.
(SAND QUARRY)**

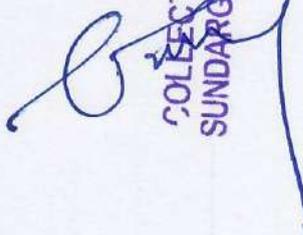
Sl.No.	Tah. SL No.	Name of the Tahasil	Name of the Sairat Source	Type of mininor minerals	Income generated in the last three years		
					2016-17	2017-18	2018-19
1	2	3	4	5	6	7	
1	1	Sadar	Nua Amlipali	Sand	477019.70	381290.80	384238.00
2			Kaintara	Sand	354336.00	552950.00	272835.00
3			Samina	Sand	289429.00	217782.30	221382.00
4			Lankahuda	Sand	236537.40	185466.56	187666.00
5			Badkachhar	Sand	254676.00	207736.00	230316.00
6			Bhasma	Sand	310207.5	910979.75	253381.00
7			Chitabhanga	Sand	269241.10	214055.15	218946.00
8	2	Tangarpali	Bilaigarh	Sand	91930	91930	44315
9			Surda	Sand	28950	28950	0
10			Jamunadhipa	Sand	28950	28950	0
11			Telipali	Sand	28950	28950	0
12			Kurga	Sand	28950	28950	14025
13			Ergapita	Sand	195137	195137	146354
14			Abankela	Sand	131700	187880	0
15			Nadisuguda	Sand	210419	420838	0
16			Daldali	Sand	0	165315	0
17			Lemlema	Sand	322198	483294	0
18			Tangarpali	Sand	0	0	0
19	Ratanpur	Sand	0	0	0		
20	Kurga	Sand	0	0	0		
21	Mangasapur	Sand	0	0	0		
22	Kurla	Sand	0	0	0		
23	3	Lephripara	Basundhara Sand Bed	Sand	0	0	0
24			Sargipali Sand Bed -I	Sand	0.00	0.00	0.00
25			Sargipali Sand Bed -II	Sand	0.00	0.00	0.00
26	Darlipali Sand Bed	Sand	0.00	0.00	0.00		
27	Lephripara Sand Bed	Sand	0.00	0.00	0.00		
28	Chhatenpali Sand Bed	Sand	0.00	0.00	0.00		

			Suruguda Sand Bed						
29									
30									
31	4	Balisankara	Ghoghar (B)	Sand		0.00	0.00	210000	52200.00
32			Kusumura	Sand		0	0		210000
33			Bankidihi	Sand		0	0		0
34			Subliaya	Sand		0.00	0.00		0
35			Jaiser	Sand		0.00	0.00	600000.00	0.00
36	5	Subdega	Gailo	Sand		0.00	0.00	780000.00	780000.00
37			Kanika	Sand		0.00	0.00	632500.00	747500.00
38			Bhojpur	Sand		7404.00	0.00		0.00
39			Malidihi	Sand		648000.00	1113750.00		0.00
40			Barpali	Sand		16646.00	20465.00		20857.00
41	6	Bargaon	Fulbari	Sand		42536.00	52056.00		52448.00
42			Kureibaga	Sand		34741.00	42256.00		42648.00
43			Kureibaga-II	Sand		35562.00	43278.00		43670.00
44	7	Kutra	Kharikamunda	Sand		33587.00	40766.00		41158.00
45	8	Rajgangpur	Tarkera	Sand		376460.00	108233.00		0.00
46			Chungimati	Sand		0.00	0.00		0.00
47			Kuarmunda	Sand		237238.00	114770.00		167696.00
48	9	Kuarmunda	Bijubandh	Sand		131822.00	186036.00		197444.00
49			Pasara	Sand		74045.00	74112.00		158501.00
50			Padampur	Sand		910479.00	769614.00		729650.00
51			Jamunanaki-I	Sand		708152.00	334676.00		292110.00
52			Jamunanaki-II	Sand		512392.00	790436.00		1335600.00
53			Bartoli	Sand		0.00	0.00		0.00
54			Ghoghar	Sand		0.00	0.00		0.00
55			Raiboga	Sand		0.00	0.00		0.00
56	10	Biramitrapur	Indrapur	Sand		0.00	0.00		0.00
57			Jahartoli	Sand		221601.00	180702.00		0.00
58			Teterkela	Sand		449370.00	373200.00		394002.00
59			Lankoi	Sand		188780.00	174478.00		0.00
60			Goppur	Sand		0.00	0.00		0.00
61			Jharbeda	Sand		0.00	0.00		0.00
			Dhodhari	Sand		0.00	0.00		0.00

62	11	Bisra	Jamsera-I	Sand	134000.00	439000.00	459000.00
63			Kundaposh	Sand	0.00	0.00	0.00
64			Khatangkudar	Sand	109000.00	125000.00	165000.00
65	12	Rourkela	Jamsera-II	Sand	0.00	0.00	0.00
66			Tarkera- I	Sand		350000	600000
67			Tarkera- II	Sand	0	0	380300
68			Tarkera- III	Sand	0	0	0
69			Tumkela	Sand	235590	298549	298549
70			Luakera	Sand	0	325108	557818
71	13	Lathikata	Kansar	Sand	548080.00	548080.00	548080.00
72			Attaghat	Sand	392000.00	392000.00	392000.00
73			Bhalupatra	Sand	0.00	0.00	0.00
74			Beldihi	Sand	385000.00	0.00	0.00
75			Beldihi	Sand	385000.00	0.00	0.00
76			Beldihi-II	Sand	0.00	0.00	0.00
77			Kalokudar	Sand	1015100.00	121365.00	121365.00
78			Lungei	Sand	0.00	0.00	0.00
79	14	Lahunipara	Tumkela	Sand	475000	614000	2350000
80			Birtola	Sand	742000	742000	742000
81			Digi	Sand	193000	273000	193000
82			Suarpali	Sand	366000	426000	247000
83			Poigaon	Sand	48000	400200	900700
84			Narendra- 2	Sand	1598917.00	1598917.00	1598917.00
85	15	Gurundia	Baliatota	Sand	0	0	0
86			Kolhasahi	Sand	302250	236250	236250
87			Deogaon	Sand	202500	120000	157500

**DETAILS OF ROYALTY OR REVENUE RECEIVED IN LAST THREE YEARS.
(MORRUM QUARRY)**

Sl.No.	Tah. Sl No.	Name of the Tahasil	Name of the Sairat Source	Type of minior minerals	Invome generated in the last three years		
					2016-17	2017-18	2018-19
1	2		3	4	5	6	7
1	1	Kutra	Dahijira	Moorum	0	0	0
2		Rajgangpur	Dhaurada	Moorum	438629.00	1161382.00	94955.00
3		Biramitrapur	Raiboga	Moorum	0.00	0.00	0.00
4	4	Lahunipara	Gadruan	Moorum	0.00	0.00	0.00
			Kumbhardihi	Moorum	0.00	0.00	0.00
5	5	Subdega	Rasrajpur	Moorum	0.00	0.00	951092.00


**COLLECTOR
SUNDAR GARH**

5. DETAILS OF PRODUCTION FOR SAND, BAJRI OR MINOR MINERALS IN THE LAST THREE YEARS.

Minor Minerals	Quantity of minor minerals lifted during last three years (in CuM)		
	2016-17	2017-18	2018-19
Sand	209892.90	201999.10	249032.10
Moorum	7707	27022	217112
Stone	240531.5	271272	814684.64
Chips	22550	27547	16856
Boulder	27962	15481	58255

6. PROCESS OF DEPOSITION OF SEDIMENTS IN THE RIVERS OF THE DISTRICT

Almost all the rivers passing through this district are originating from hilly plateau of Chhattisgarh and Madyapradesh and run in hilly rocky area having steep gradient. Due to this steep gradient these rivers run with high velocity in their initial reaches, thus eroding the rocky bed materials and carrying downstream. During flow downstream, the eroded materials get further disintegrated due to abrasion and this process goes on. These disintegrated materials are of various sizes and those are deposited in process of sedimentation according to their size and weight at different places where the carrying velocity of the river is insufficient. In this district the gradient of rivers are medium to semi flat. So the maximum portion of deposition is coarse to medium grained sand, scarcely mixed with small pebbles at few stretches of major rivers.


**COLLECTOR
SUNDARGARH**

7. GENERAL PROFILE OF THE DISTRICT

Sundargarh district forms the North western part of Odisha state. The district spreads from 21'36' N to 22'32' N latitudes and from 83' 32' E to 85' to 22'E longitudes. Sundargarh , also spelled as Sundargarh in some of the documents of the Government. Its official website address is www.sundargarh.nic.in. It is bound by Raigarh district of Chhattisgarh in the West, Jashpur district of Chhattisgarh in the North- West, Simdega district of Jharkhand in the North, West Singhbhum district of Jharkhand State and Keonjhar, Sambalpur, Deogarh and Angul districts of Odisha in the South-East. The town of Sundargarh is the district headquarters.

Sundargarh district is the Second largest district in the state accounting for 6.23% of the total area of the state. Geographical Area of the district is 9712 km. The district is divided into three Sub-Divisions, viz, Sundargarh, Panposh and Bonai. Of these, two Sub-Divisions, viz, Sundargarh and Panposh originally belonged to the ex-State of Gangpur while the whole of Bonai ex-State became the third Sub-Division. Except Panposh which has its headquarters at Uditnagar, the other two Sub-Divisions are named after their respective headquarters; Bonai derives its name from its forests (Bono in Oriya means Forest) covering almost nine-tenth of its area.

At present, there are 18 Tahasil and 102 Revenue Circles, 17 Panchayat Samities and 262 Gram Panchayats, 1 Municipality corporation, 3 Municipalities. There are two Police districts, i.e. Sundargarh and Rourkela with 38 Police Stations in total.


COLLECTOR
SUNDARGARH

8. LAND UTILISATION PATTERN IN THE DISTRICT

The best cultivated lands of Sundargarh are located along the valleys of the two main rivers, the Bramhani and IB and their tributaries viz., the Sankha the Koel, the Safai, the Ichha etc. The cultivable area of the district is 6,72,000 hect., out of which percentage of land under highland, medium land and low land are respectively 0%, 27.7% and 22.3%. As in 2011, the net area sown in the district was 3,32,056 hect., which constitute 49.4% of the gross cultivable area. The land use pattern of the district out of the surveyed area of 715280 hect. and 715256 hect. In 2009-10 and 2010-11 respectively, is given in the following table. The detailed Block and ULB-wise land use pattern is elaborated in TABLE.

Year	2009-10		2010-11	
	Area in Ha	% of surveyed area	Area in Ha	% of surveyed area
Forest	176151	24.63	152013	21.25
Land put to non-agriculture use	67568	9.45	72033	10.07
Barren and non-cultivable land	60788	8.50	63222	8.84
Permanent pastures and other grazing land	35324	4.94	34230	4.79
Land under Misc. tree crop & grooves, not included in net area sown	1484	0.21	2206	0.31
Cultivable waste	40313	5.64	45154	6.31
Old fallows	48007	6.71	54575	7.63
Current fallows	64937	9.08	61549	8.61
Net area sown	220708	30.86	230274	31.19

9. PHYSIOGRAPHY OF THE DISTRICT

Being the part of the Chhota- Nagpur Plateau, major parts of the district has rough and hilly terrain and rich in mineral resources as well. Hills of Sundargarh district may be classified in to three broad categories, Bonai hills, Sundargarh hills, Biramitrapur hills. The Bonai hills which further elongate into the Keonjhar district are known for their iron ore resources, whereas Sundargarh hills famous for coal deposits, which further elongate into Jharsuguda district and Chhatisgarh state as well.

The hills are mainly extensions of the Deccan and Chhota-Nagpur Plateau. In Sundargarh and Panposh Sub-Divisions there are mainly three hill ranges apart from a few isolated outcrops. The one, in the reserved forest blocks of Mahabir Chhatam, Topkurlu, Bhaismunda and Chirobeda on the South-East forming the boundary between Sambalpur and this district, runs East-West direction. The second, in the centres starts from Gurabasa reserved forest in South-West to North-East direction and runs through Kumbahal, Runga, Peruabhadi, Panchara and Brahmani reserved forest ending near the Sankha River. The third, on the western border of the district running South-East to the North-West direction is an extension of the wide range of hills forming the watershed between the river Mahanadi and her affluent IB. Thus these mountain ranges seem to have started from a point in the middle of the southern boundary of the district and outflanking in three different directions divide the country into separate plains.

The Hemgir plateau is flanked by a system of mountain which starts from Garjanjore (1966' or 599m.) and runs due South-East up to Bendrichuan (1343' or 409m.). There is an abrupt swing near the latter due West up to the water parting between the Garjhor and the Jhulenbar after which there is again a gentle bend due North-West up to the border of Raigarh district.

Among the ridges mention may be made of the great ridge, an extension of the Karampada range of Singhbhum, which apparently seems to be the spine of the Toda area in East Bonai. It extends from North-East to South-West and is capped with an immense deposit of high grade hematite. The Rontha plateau (2500'-3000' or 762-914m) from which descends Khandadhar water fall is also covered with iron ore. The Bichakhani hill yields millions of tones of iron ore which feed the Rourkela steel plant. A new railway line has been laid to the foot of the hill at Dumaro for transportation of the iron ore.

The territory covered by Sundargarh and Panposh Sub-Divisions (comprising the ex-State of Gangpur) consists of a long undulating table-land about 700ft. (213) above the sea level dotted with hill ranges and isolated peaks of considerable height. On the West of Sundargarh Sub-Division lies the Hemgir Plateau, nearly 1150 ft (351m) high, in the centre of which is located the village Hemgir. To the North of Hemgir the land is considerably hilly while to the South it is relatively plain with a minimum elevation of 709 ft (516m) near the Chuanbahal village. The eastern tract of the Sub-Division intervening between Chota Nagpur plateau and Mahavir range, for the most part, is open and well cultivated, the general elevation of which varies from 700' to 1000' (213m TO 305m) but that of

the reserved forests except, of course, a few patches, comes under 1000' to 1500' (305m to 457m). Besides, numerous isolated hills and sharp ranges running generally East to West are also evenly distributed throughout the country. On the North the Chota Nagpur plateau with its foot-hills gradually falls away to the plain while the Mahavir range in the South, springs abruptly in an irregularly wall of tilted and disrupted rock and forms for some length the boundary between Sambalpur and this district. On the southern border, dense forests linking up with the forest-clad ranges of Bonai Sub-Division are also seen. Didhrapahar, the highest peak 2509' (765m) of Sundargarh Sub-Divisiion is located near the tri-junction of Sundargarh Sub-Division , Bonai Sub-Division and Sambalpur district.

The block to the North formed by the broad valleys of the Sankh, the South Koel and the Deo, although interspersed with isolated hills and series of small ridges striking East and West, is generally plain, but the tract to the South is comparatively more hilly and wooded excepting the valley of the Brahmani which extends to an appreciable distance South of Panposh. The region extending from South of Bisra to South of Chirobeda is much broken and hilly, it raises along the Singhbhum and Bonai boundaries to an elevation of 1800' to 2000' (549m) to (610M) the highest peak being Bhaisamunda Pahar 2234' (681m). In the plains the elevation is about 600' to 700' (183m to 213m) the lowest point on the Brahmani vally on the Bonai border near Banki village being 575' (175m). The land is completely denuded of its fertility and is unsuitable for cultivation.

The principal peaks are Mankarnacha (3664ft or 1117m) and Badamgarh (3525ft or 1074m), both on Keonjhar boundary, Kumritar (3495ft or 1065m), the Bichakani (2964ft or 903m), and Khandadhar (3000ft or 914m), all in Bonai Police Station, Rengalbera (2179ft or 664m) in Banki Police Station, Baghbindha (2650ft or 808m), Raipiri (2620ft or 799m) and the Kantamunda (2524ft or 769m), all in Gurundia Police Station, Chelliakota (3331ft to 1015m), in Mahulpada Police Station, Balia (3313ft or 1010m) and the Karaspani (2483ft or 757m), both in Koira Police Station. All the above peaks are in Bonai Sub-Division, Besides, some unnamed peaks of considerable heights are also found. No hills of any significant height are found in Panposh Sub-Division. Among the peaks in Sundargarh Sub-Division mention may be made of Man (1935ft or 590m) on the Madya Pradesh border, Satparlia (1327ft or 404m) and Jogijogan (1471ft or 448m), both in Sundargarh Police Station, Mahabir (1861ft or 567m) in Bargaon Police Station, Didra (2509ft to 765m) in Rajgangpur Police Station on the trijunction of Bonai and Sundargarh Sub-Divisions and Sambalpur district. Other peaks on the Didra range are Bhaisamunda (2234ft or 681m) and Kichimir (2050ft or 625m). The last named peak is also in the Rajgangpur Police Station. Andiabira (1455ft or 443m) and Bilpahari (1333ft or 406m) are among the less prominent peaks.

10 RAINFALL OF SUNDARGARH DISTRICT: MONTH- WISE

DISTRICT RAINFALL (mm) FOR LAST THREE YEAR

Note:-

(1) The District Rainfall in milli-meters (R/F) shown below are the arithmetic averages of Rainfall of Stations under the District.

(2) Black Spaces show non-availability of Data.

Month	Year wise rainfall in mm			
	2016	2017	2018	2019
Jan	6.02	3.32	Nil	8.45
Feb	18.56	Nil	0.74	38.82
Mar	11.62	0.41	1.16	28.82
April	Nil	0.45	38.2	37.98
May	23.31	46.77	106.04	25.91
June	90.4	230.77	150.91	119.82
July	330.12	499.18	311.86	221.84
Aug	307.08	260.06	403.33	447.78
Sept	233.62	183.39	203.06	313.29
Oct	31.34	60.44	10.47	66.75
Nov	Nil	3.25	Nil	
Dec	Nil	Nil	86.52	
Total:-	1052.07	1288.04	1312.29	1309.46


COLLECTOR
SUNDARGARH

DRAINAGE SYSTEM WITH DESCRIPTION OF MAIN RIVERS

SI No.	Name of the River	Area Drained (Sq.Km)	% Area Drained in the District
1	IB	7623.00	38.16
2	Madalghat Nallah Sukhajore	27.00	100.00
3	Safai	1102.25	100.00
4	Ustalli Nallah	50.00	100.00
5	Gahirajore Nallah	45.00	100.00
6	Sarswati Nallah	26.00	100.00
7	Ichha	400.00	100.00
8	Sankha	10835.00	12.69
9	Koel	12230.00	9.57
10	Badjore Nallah (Sankh)	35.00	100.00
11	Deo Nallah	132.00	31.50
12	Brahamani River	26190.00	11.93
13	Siudhi Nallah	18.50	100.00
14	Kuradi Nallah	32.00	100.00
15	Amruti Nallah	42.00	100.00
16	Saplata Nallah	22.00	100.00
17	Rukura Nallah (Down stream of Rukura Reserver)	32.00	100.00


COLLECTOR
SUNDARGARH

SAND

Sl No.	River or Stream	Name of the Sources	Portion of the river or stream recommended for mineral concession	Length of area recommended for mineral concession (in kilometer)	Average width of area recommended for mineral concession (in meters)	Area recommended for mineral concession (in square meter)	Mineable mineral potential (in metric tonne (60% of total mineral potential))
1	River, Kansar	Kansar	Ac- 13.00, Khata No- 94, Plot No- 211/P		0.0003	52609.1	10,538.40
2	River, Attiaghat	Attiaghat	Ac- 18.00, Khata No- 61, Plot No- 484/566		0.0006	72843.4	8000
3	River, Bhalupatra	Bhalupatra	Ac- 11.00, Khata No- 46, Plot No- 1/1, 1/2		0.0025	44515.4	15000
4	River, Beldihi	Beldihi	Ac- 10.00, Khata No- 146, Plot No- 40/P		0.001	40468.6	10100
5	River, Beldihi	Beldihi	Ac- 10.00, Khata No- 146, Plot No- 1/P		0.0005	40468.6	1740
6	River, Kalokudar	Kalokudar	Ac- 6.00, Khata No- 43, Plot No- 296/3		0.0015	24281.1	10000
7	River, Lungei	Lungei	Ac- 10.00, Khata No- 80, Plot No- 1/P		0.0015	40468.6	4001
8		Kolasahi	Ac- 11.76, Khata No- 1 Plot No- 60/P			47696	9760.50
9		Deogaon	Ac- 1.67, Khata No- 1 Plot No- 32/P			6799	2978.76
10	River, Brahmani	Baliatota	Ac- 13.16, Khata No- 1 Plot No- 56/P			53400	25738.8
11		Sabara	Ac- 11.90, Khata No- 36 Plot No- 15/551/P			48279	23270.47
12		Sangagua	Ac- 6.00, Khata No- 1 Plot No- 116/p & 117/p			27900	13447.8
13		Subalaya	Ac- 12.12, Khata No- 153 Plot No- 118/1314, 439, & 491/p			49047.9	12252.44
14		Jaisar	Ac- 10.40, Khata No- 190 Plot No- 1/1 & 113/1			42087.31	28920
15		Gailo	Ac- 9.00, Khata No- 145 Plot No- 1038/p			36421.7	28920
16	River, IB	Bhojpur	Ac-46.25, Khata No- 69 Plot No- 1			187167.11	145638.71

17		Kanika	Ac-12.00, Khata No- 67 Plot No- 814/831					48562.3	150015.27
18		Malidih	Ac-12.00, Khata No- 49 Plot No- 1/p					48562.3	194342.4
19	Sanka	Tarkera	Ac-12.60, Khata No- 155 Plot No- 528/p & 528/1304					38500	11550
20		Nua-Amilpali	Ac-12.880, Khata No- 381 Plot No- 475 & 476/1211					12.880	3010
21		Chhitabhanga	Ac-10.200, Khata No- 474 Plot No- 2413/1					10.200	1869
22	River, IB	Lankahuda	Ac-4.900, Khata No- 150 Plot No- 1/1					4.900	2037
23		Samina	Ac-2.40, Khata No- 107 Plot No- 1/1					2.40	2021.7
24		Bhasma	Ac-9.300 Khata No- 138 Plot No- 1384/1					9.300	4035.8
25		Kaintara	Ac-3.520 Khata No- 76 Plot No- 756/759					3.520	6284.6
26	Safei	Badkuchhar	Ac-10.870 Khata No- 119 Plot No- 1783					10.870	2737
27		Madhupur	Ac-16.860 Khata No- 32 Plot No- 187					16.860	780
28		Tumkela	Ac-0.32 Khata No- 1 Plot No- 31/p	0.32		0.15		49169.306	52056
29		Birtola	Ac-0.36 Khata No- 1 Plot No- 27	0.36		0.32		119989.29	181516
30	Brahmaninadi 'KHA'	Digi	Ac-0.22 Khata No- 1 Plot No- 92/p	0.22		0.22		49978.677	34906.44
31		Suarpali	Ac-0.22 Khata No- 1 Plot No- 84/p	0.22		0.22		49978.677	53652.38
32		Poigaon	Ac-0.20 Khata No- 1 Plot No- 78/p	0.2		0.2		40468.600	36635.86
33		Surguda	Khata No.137, Plot No.607					194775.179	12402
34		Chhatenpali	Khata No.140, Plot No.277/1193					60343.307	13332
35		Lephripara	Khata No.245, Plot No.1680/11 & 636/2145					83608.045	10210
36	River, IB	Ghoghar Sand Bed (B)	Khata No.171, Plot No.457, Area Ac. 7.00	0.305		91.5		27907	
37		Kusumura	Khata No.203, Plot No.1281/p, Area Ac. 10.00	0.296		149		44104	
38		Bankidih	Khata No.48, Plot No.270/457, Area Ac.10.45	0.29		144.78		41986	

STONE/MOORUM

Sl No.	Name of the source	River or Stream	Portion of the river or stream recommended for mineral concession	Length of area recommended for mineral concession (in kilometer)	Average width of area recommended for mineral concession (in meters)	Area recommended for mineral concession (in square meter)	Mineable mineral potential (in metric tonne) (60% of total mineral potential)
1	Jalda		Khata No-120 , Plot No-48/3828/3829	Nil	Nil	48157.59	28080
2	Balanda		Khata No-504, Plot No-1897/P	Nil	Nil	42491.99	38054
3	Balanda		Khata No-504, Plot No- 1897/P	Nil	Nil	48562.3	6000
4	Balanda		Khata No-504, Plot No-1893/P	Nil	Nil	40468.6	9100
5	Balanda		Khata No- 504, Plot No-1899/P	Nil	Nil	46538.85	14040
6	Balanda		Khata No- 504, Plot No-2009/P, 2010/P	Nil	Nil	40468.6	101452
7	Balanda		Khata No-504, Plot No-1890/P	Nil	Nil	40468.6	2100
8	Balanda		Khata No-504, Plot No-2473/P	Nil	Nil	40468.6	5300
9	Balanda		Khata No-238, Plot No-2292/P	Nil	Nil	28328	60004
10	Balanda		Khata No-238, Plot No-2292/P	Nil	Nil	48764.62	50940
11	Asurchhapal		Khata No-112, Plot No-385/P	Nil	Nil	20234.3	4400
12	Garjan		Khata No-205, Plot No-109	Nil	Nil	10521.8	1640
13	Garjan		Khata No-205, Plot No-113/1	Nil	Nil	14366.34	1500
14	Thiaberna-I		Khata No.67, Plot No.750/p	0.01	0.01	2023.428	3000
15	Thiaberna-II		Khata No.66, Plot No.698/p	0.02	0.02	4046.856	12000
16	Jamirdihi		Khata No.35, Plot No.72/544	0.05	0.05	32374.848	13000
17	Daleisara		Khata No.04, Plot No.74	0.05	0.05	37959.509	10260
18	San-tikayatpali		Khata No. 06, Plot No.4/p	0.04	0.04	20234.208	62744
19	Gadruan		Khata No.123, Plot No.545	0.24	0.24	54430.21	3000

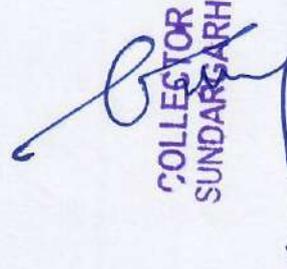
SAILENT FEATURES OF IMPROTANT RIVERS AND STREAMS

Sl No	Name of the River and Stream	Total length in the district (in Km)	Place of origin	Altitude at Origin in Meter	Portion of the river or stream recommended for Mineral Concession	Length of area recommended for mineral concession (in Km)	Average width of area recommended for mineral concession (in meters)	Area recommended for mineral concession (in square meter)	Mineable mineral potential (in metric tonne) (60% of total mineral potential)
1	2	3	4	6	7	8	9	10	
1	IB	58.75	Madhyapradesh	652	Teljore	1.00	150	150000.00	144000
					Baunimunda	0.50	100	50000.00	48000
					Bhojpur	1.00	100	100000.00	96000
					Sundargarh	2.00	200	400000.00	384000
					Lemlima	1.00	200	200000.00	192000
					0.50	100	50000.00	48000	
					1.00	100	100000.00	96000	
					1.50	100	150000.00	144000	
						TOTAL	1200000.00	1152000	
2	Madalghat Nallah Sukhajore	8.50	Sundargarh	300	Bhojpur Bagbandha	2.00	50	100000.00	96000
3	Safai	70.00	Sundargarh	320	Kaisara	1.00	70	100000.00	96000
					Kinjirma	1.00	50	70000.00	67200
					Amasranga	2.00	80	50000.00	48000
					Badkachhar			160000.00	153600
					Philingibahal	1.00	0	0.00	0
					Turiposh Jangli	1.00	30	50000.00	48000
								30000.00	28800
			TOTAL	360000.00	345600				
	Ustalli Nallah	20.00	Sundargarh	300	1.00	30	30000.00	28800	
	Gahirjore Nallah	15.00	Sundargarh	280	0.50	30	30000.00	28800	
						TOTAL	15000.00	14400	
							15000.00	14400	
	Sarswati Nallah	13.00	Sundargarh	280	0.60	30	18000	17280	
					0.30	30	9000.00	8640	
						TOTAL	27000.00	25920	

	Amruti Nallah	14.00	Odisha	240	Kariadihi	2.00	20	40000.00	38400
					Tikayetpali	1.00	20	20000.00	19200
	Saplata Nallah	9.5	Odisha	300	Dumermunda	1.50	TOTAL	60000.00	57600
							TOTAL	30000.00	28800
	Rukura Nallah	8.00	Odisha	260	Sishudihi	1.00	20	20000.00	19200
					Bijadihi & Dalkiposh	1.50	20	30000.00	28800
							TOTAL	50000.00	48000

G.TOTAL:- 7114500.00

6829920


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Mineral Potential

Name of the Source	Boulder (MT)	Bajari (MT)	Sand (MT)	Total Mineable Mineral Potential (MT)
Kolasahi Sand Bed	--	--	16266.67	16266.67
Deogaon Sand Bed	--	--	4965	4965
Baliatota Sand Bed	--	--	42898.34	42898.34
Sabara Sand Bed	--	--	38783.34	38783.34
Sangagua Sand Bed	--	--	22413.34	22413.34
Chandrapur Stone Quarry	4820	--	--	4820
Subalaya Sand Bed	--	--	12252	--
Jaisar Sand Bed	--	--	28920	--
Gailo Sand Bed	--	--	28920	--
Bhojpur Sand Bed	--	--	145639	--
Kanika Sand Bed	--	--	14640	150449
Malidhi Sand Bed	--	--	20485	194342
Peruabhadi Stone Quarry-A	117974	--	--	589881
Peruabhadi Stone Quarry-B	34592	--	--	248182
Damkuda Stone Quarry- A	14983	--	--	245921
Rasrajpur Moorum Quarry	--	--	48929	273439
Tarkera Sand Bed	--	--	11550	38500
Dahjira Moorum Quarry	--	--	14511	159636
Tumkela Sand Bed	--	--	86760.00	86760.00
Birtola Sand Bed	--	--	302527.30	302527.30
Digi Sand Bed	--	--	58177.40	58177.40
Suarpalli Sand Bed	--	--	89420.64	89420.64
Piogaon Sand Bed	--	--	61059.76	61059.76
Thiaberna Stone Quarry-I	7230.00	--	--	--

Thiaberna Stone Quarry-II	28920.00	--	--	--	--
Jamirdihi Stone Quarry	31330.00	--	--	--	--
Daleisara Stone Quarry	24726.60	--	--	--	--
San-Tikayatpali Stone Quarry	151213.04	--	--	--	--
Gadruan Mooroom Quarry	--	--	--	--	--
Kumbhardihi Mooroom Quarry	--	--	--	--	--
Bilaigarh Sand Bed	--	--	--	--	18399
Jamundahipa	--	--	--	--	11563
Kurga Jharberni Sand Bed	--	--	--	--	28628
Lemlema Sand Bed	--	--	--	--	3679
Ratanpur Sand Bed	--	--	--	--	3459
Ergapita Sand Bed	--	--	--	--	79792
Abankela Sand Bed	--	--	--	--	58993
Nadisuguda Sand Bed	--	--	--	--	109266
Daldali Sand Bed	--	--	--	--	53833
Rajganpur-III	36051.19	--	--	--	43934.15
Rajgangpur-IV	36439.2	--	--	--	40488
Jouramal	60664.52	--	--	--	75830.65
Kutunia	48802.5	--	--	--	54225
Dhaurada	30366	--	--	--	33740
Bhagaltola	77973.38	--	--	--	86637.09
Ramlata	71577	--	--	--	79530
Kansbahal	331796.26	--	--	--	368662.52
Barangakhhol	79060.05	--	--	--	912459.5
Raikakachhar	--	--	--	--	53984
Sunakhandi	--	--	--	--	10845
Rajgangpur-I	--	--	--	--	14460
Rajgangpur-II	--	--	--	--	14460
Kumarkela-I	--	--	--	--	14460

SI No.	River of Stream	Portion of the river or stream recommended for mineral concession	Length of area recommended for mineral concession (in kilometer)	Average width of area recommended for mineral concession (in meters)	Area recommended for mineral concession (in square meter)	Mineable mineral potential (in metric tonne) (60% of total mineral potential)
1	2	3	4	5	6	7
1	IB	58.75	Madhyapradesh	150	150000.00	144000
				100	50000.00	48000
				100	100000.00	96000
				200	400000.00	384000
				200	200000.00	192000
				100	50000.00	48000
				100	100000.00	96000
				100	150000.00	144000
				TOTAL	1200000.00	1152000
2	Madaighat Nallah Sukhajore	8.50	Sundargarh	50	100000.00	96000
				TOTAL	100000.00	96000
				70	70000.00	67200
				50	50000.00	48000
				80	160000.00	153600
					0.00	0
				0	50000.00	48000
				30	30000.00	28800
				TOTAL	360000.00	345600
4	Ustalli Nallah	20.00	Sundargarh	30	30000.00	28800
				TOTAL	30000.00	28800
5	Gahirjore Nallah	15.00	Sundargarh	30	15000.00	14400
				TOTAL	15000.00	14400
6	Sarswati Nallah	13.00	Sundargarh	30	18000	17280
				30	9000.00	8640
				TOTAL	27000.00	25920

7	Ichha	44.00	Sundargarh	50	25000.00	24000
				50	25000.00	24000
				50	50000.00	48000
				50	50000.00	48000
				TOTAL	150000.00	144000
				50	65000.00	62400
				40	40000.00	38400
				50	50000.00	48000
8	Sankh	17.00	Odisha (Down stream of Mandira Dam)	50	75000.00	72000
				50	100000.00	96000
				50	50000.00	48000
				50	50000.00	48000
				50	75000.00	72000
				80	120000.00	115200
				TOTAL	625000.00	600000
				25	50000.00	48000
				25	50000.00	48000
				40	20000.00	19200
				50	75000.00	72000
				50	100000.00	96000
				50	50000.00	48000
				50	50000.00	48000
				50	150000.00	144000
				50	100000.00	96000
				50	100000.00	96000
				50	50000.00	48000
				50	100000.00	96000
				50	75000.00	72000
				50	75000.00	72000
				TOTAL	1045000.00	1003200
10	Badjore Nallah (Sankh)	14.00	Odisha	30	60000.00	57600
				TOTAL	60000.00	57600

11	Deo Nallah	44.00	Jharkhand	15	15000.00	14400
				20	60000.00	57600
				20	20000.00	19200
				10	10000.00	9600
				TOTAL	105000.00	100800
				50	50000.00	48000
				50	50000.00	48000
				50	50000.00	48000
				50	50000.00	48000
				50	100000.00	96000
				500	1000000.00	960000
				50	100000.00	96000
				80	160000.00	153600
				80	240000.00	230400
				30	45000.00	43200
				30	60000.00	57600
				20	20000.00	19200
				50	100000.00	96000
				20	30000.00	28800
				30	90000.00	86400
				50	75000.00	72000
				50	150000.00	144000
				30	45000.00	43200
				25	75000.00	72000
				30	150000.00	144000
				25	100000.00	96000
				30	60000.00	57600
				50	250000.00	240000
				30	60000.00	57600
				20	40000.00	38400
				TOTAL	3150000.00	3024000
12	Brahamani River	98	Jharkhand	15	22500.00	21600
13	Siudhi Nallah	6.5	Odisha			

14	Kuradi Nallah	16.00	Odisha	TOTAL	22500.00	21600
				10	35000.00	33600
				10	30000.00	28800
				10	20000.00	19200
				TOTAL	85000.00	81600
15	Amruti Nallah	14.00	Odisha	20	40000.00	38400
				20	20000.00	19200
				TOTAL	60000.00	57600
16	Saplata Nallah	9.5	Odisha	20	30000.00	28800
				TOTAL	30000.00	28800
17	Rukura Nallah	8.00	Odisha	20	20000.00	19200
				20	30000.00	28800
				TOTAL	50000.00	48000
G.TOTAL:-					7114500.00	6829920

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