

ଜିଲ୍ଲାପାଳଙ୍କ କାର୍ଯ୍ୟାଳୟ : ସୁନ୍ଦରଗଡ଼

ଜ୍ଞାପକ ସଂଖ୍ୟା ୧୦୮ / ତା ୧୧.୧୦.୧୮ ରିଖ

ସର୍ବସାଧାରଣ ନୋଟିସ

ଏତତ ଦ୍ଵାରା ସର୍ବସାଧାରଣଙ୍କ ଅବଗତ ନିମନ୍ତେ ଜଣାଇ ଦିଆଯାଉଛି ଯେ, ସରକାରୀ ଉଚ୍ଚ ସମ୍ପତ୍ତି ସୁନ୍ଦରଗଡ଼ ଜିଲ୍ଲାର ସର୍ବେକ୍ଷଣ ରିପୋର୍ଟ ଜିଲ୍ଲା ଷ୍ଟେସନାଲ୍‌ରେ ଏବଂ ଏହି ଜିଲ୍ଲା କାର୍ଯ୍ୟାଳୟର ନୋଟିସ ବୋର୍ଡରେ ବହୁଳ ପ୍ରଚାର ଓ ପ୍ରସାର ନିମନ୍ତେ ପ୍ରେରଣ କରାଗଲା । ଯଦି ଏଥିରେ କାହାର କିଛି ଆପତ୍ତି ଅଭିଯୋଗ ଥାଏ, ତେବେ ଏହି ନୋଟିସ ପ୍ରକାଶ ପାଇବାର ୨୧ ଦିନ ମଧ୍ୟରେ ନିମ୍ନ କାର୍ଯ୍ୟାଳୟରେ ଲିଖିତ ଆକାରରେ ଅଭିଯୋଗ ଦାଖଲ କରିବେ । ଧାର୍ଯ୍ୟ ତାରିଖ ଗତେ କୌଣସି ଅଭିଯୋଗ ଗ୍ରହଣ କରାଯିବ ନାହିଁ ।

୫ ଜିଲ୍ଲାପାଳ, ସୁନ୍ଦରଗଡ଼ ୧୧/୧୦/୨୦୧୮

DISTRICT SURVEY REPORT

ON

MINOR MINERALS

FOR

SUNDARGARH DISTRICT

2019

BY

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

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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.

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 (Lakhs) during last three years
Stone	126	308.11	637160	637.16
Moorum	101	279.0	10676786	4501.5
Sand	33	42.12	62643	17.54
Ordinary earth	--	--	--	--
Total:-	260	629.73	16776589	5156.2

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, 2004 & Odisha Minor Mineral Concession (Amendment) Rules, 2015. 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.

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

TABLE- II(A)

STONE									
Sl.No.	Tah.Sl.No	Tahasil	Name of Sairat Sources	Minor Mineral Available	village	Khata	Plot No.	Kisam	Area in Acre
1	1	Sadar,	Madhupur Stone Quarry	Stone	Madhupur	32	187	Stone	Ac.16.87
2			Philingbahal Stone Quarry	Stone	Philing bahal	197	290/p & 293	Stone	Ac.17.00
3			Bhasma Stone Quarry	Stone	Bhasma	133	1003	Tungri	Ac.1.14
4			Karla Stone Quarry	Stone	Karla	21	719	Patit	Ac.0.45
5			Kulta Stone Quarry	Stone	Kulta	178	2290/p	Tungri	Ac.2.50
6	2	Tangarpali	Remenda Stone Quarry I	Stone	Remenda	181	63	Gochar	Ac.9.50
7			Remenda Stone Quarry II	Stone	Remenda	183	76	Patit	Ac.2.50
8			Tangarpali Stone Quarry	Stone	Tangarpali	189	141/p	Dungri	Ac.11.50
9			Khutumunda Stone Quarry	Stone	Khutumunda	70	183	Gochar	Ac.2.50
10			Luthurkend Stone Quarry I	Stone	Luthurkend	64	514	P.Bani	0.38
11			Lephrpara Stone Quarry I	Stone	Lephrpara	245	625	Tungri	0.68
12			Lephrpara Stone Quarry II	Stone	Lephrpara	245	621/1, 621/2	Tungri	2.96
13	3	Lephrpara	Diamunda Stone Quarry	Stone	Diamunda	145	164/1	Patit	1.40
14			Badhanga Stone Quarry	Stone	Badhanga	75	954	Patit	1.82
						77	905	Patit	2.92
							906		0.37
							836		1.36
15			Mahulpali Stone Quarry	Stone	Mahulpali	104	614	P.Bani	0.66
16			Darlipali Stone quarry	Stone	Darlipali	528	3579	Tungri	11.3
17			Luthurkend Stone Quarry II	Stone	Luthurkend	65	626	P.Bani	0.26

18			Kanakatora Stone Quarry I	Stone		Kanakatora	202	397/1		Ac.3.85
19			Kanakatora Stone Quarry II	Stone		Kanakatora	202	891/1		Ac.4.40
20			Kalamegha Stone Quarry III	Stone		Kalamegha	133	83/1		Ac.5.10
21			Tangardihi Stone Quarry	Stone		Tangardihi	133	1865		Ac.2.62
22			Bad Ghunmuda Stone Quarry	Stone		Badghunmuda	23	637		Ac.0.26
23			Burra Stone Quarry	Stone		Burra	26	92		Ac.2.75
24			Bandhpali Stone quarry	Stone		Bandhpali	26	327		Ac.1.09
25			Manoharpur Stone Quarry	Stone		Manoharpur	63	551/1		Ac.1.00
26			Sanbalichuan Stone Quarry I	Stone		Sanbalichuan	73	129/1		Ac.2.80
27			Sanbalichuan Stone Quarry II	Stone		Sanbalichuan	42	85		Ac.0.46
28			Nangalkata Stone Quarry	Stone		Nangalkata	42	133		Ac.4.02
29			Sarbahal Stone Quarry	Stone		Sarbahal	43	163 162		Ac.1.75
30			Kalamegha Stone Quarry I	Stone		Kalamegha	52	63,964,012,641,302		Ac.1.62
31			Kalctpani Morruam Quarry II	Stone		Kalctpani	1232	20		Ac.2.62
32			Sanghnumuda stone Quarry	Stone		Sanghnumuda	133	1865		Ac.2.62
33			Barpali Stone Quarry	Stone		Barpali	55	376,383,385		Ac.1.54
34			Gopalpur Stone Quarry	Stone		Gopalpur	88	309/1		Ac.1.00
35			Sardaga Stone Quarry	Stone		Sardaga	184	1284		Ac.0.60
36			Sankarbahal stone quarry	Stone		Sankarbahal	59	109		Ac.2.00
37		5	Tatjore Stone Quarry	Stone		Tatjore	101	383	Charan	2.23
38			Halma Stone Quarry	Stone		Halma	67	655	Pathar Charan	1.60
39			Perubahadi Stone Quarry(A)	Stone		Perubahadi	55	43/p	Pathad	1.50
							40	516/p	Pathad	Ac.5.00
								519/p		Ac.2.40
								529		Ac.2.60
								Total		Ac10.00
40			Perubahadi Stone Quarry (B)	Stone			40	445/p	Pathad	Ac.1.50
								459/p		Ac.0.50
								Total		Ac.2.00
41		6	Damkuda Stone Quarry (A_	Stone		Perubahadi	196	454	Nallah	Ac.3.26
								455	Goda II	Ac.0.38
								456	Goda II	Ac.0.13
42			Damkuda Stone Quarry B	Stone		Damkuda	Total			Ac.3.77
							195	460	Goda II	Ac.0.26
								461	Goda II	Ac.0.24
43			Damkuda Stone Quarry(c)	Stone		Damkuda	Total			Ac.0.50
44			Badmal Stone Quarry	Stone		Badmal	195	481	Goda II	Ac.0.56
45			Subbalaya Stone Quarry	Stone		Subbalaya	53	292/p	Tungri	Ac.2.00
							152	644	Patit	Ac.0.25

46			Kumarkela S.Q.I	O.Stone	Kumarkela	413	3155/p	Pathad	Ac.7.00
47			Kumarkela S.Q.II	O.Stone	Kumarkela	413	3159/p	Pathad	Ac.2.10
48			Rajgangpur B khol S.Q.	O.Stone	Rajgangpur	379	1410/2859/p	Goda II	Ac.5.00
49			Rajgangpur S.Q.III	O.Stone	Rajgangpur	379	985/p	Pathad	Ac.2.00
50			Rajgangpur S.Q.IV	O.Stone	Rajgangpur	379	1063	Pathad	Ac.4.65
51	9	Rajgangpur	Kansbhal S.Q.	O.Stone	Kansbhal	132	1914	Dungri	Ac.7.69
52			Ralkachar S.Q.	O.Stone	Ralkachar	155	1131	Chatan	Ac.3.20
53			Sunakhanti S.Q.	O.Stone	Sunakhanti	73	928	Dungri	Ac.10.00
54			Kutunia S.Q.	O.Stone	Kutunia	443	2214	Patit	Ac.2.18
55			Ramlata Stone Quarry	O.Stone	Ramlata	37	2216	Patit	Ac.1.86
56			Juarnal S.Q.	O.Stone	Juarnal	165	25/p	Pathad	Ac.7.00
57			Besrapara Kutabbeda Stone Quarry	Stone		40	1133/1570/p	Dungri	Ac.10.00
	10	Kuarnunda			Besrapara	40	16	Pathar Bani	Ac.4.75
58			Dumangdiri Stone Quarry	Stone	Dumangdiri	72	318/p	Tungri	Ac.14.53
59			Dumangdiri Stone Quarry I	Stone	Dumangdiri	72	318/1	Tungri	Ac.8.00
60			Jamankira Stone Quarry	Stone	Jamankira	41	4/654	Pathar Bani	Ac.5.00
61			Rithatoli Stone Quarry	Stone	Rithatoli	137	1028	Pathar Chatan	Ac.12.00
62			Sorda Stone Quarry	Stone	Sorda	109	154/943	Nadi	Ac.3.90
63	11	Birmitrapur	Bisipur Stone Quarry	Stone	Bisipur	246	1518	Tungri	Ac.2.00
64			Sorda Stone Quarry	Stone	Sorda	109	1023	Tungri	Ac.6.00
65			Jokela Stone Quarry	Stone	Jokela	246	1362	Tungri	Ac.4.20
66			Dumerta (RTU No.52)Stone Quarry1	Stone		128	829	Tungri	Ac.0.75
			Dumerta (RTU No.52)Stone Quarry2	Stone			813	Tungri	Ac.0.33
67			Dumerta (RTU No.52)Stone Quarry2	Stone	Dumerta RTU 52	114	374/p		Ac.1.50
							366/p		Ac.4.50
							374/p	Patit	Ac.4.55
							366/p		Ac.0.17
							314/p		Ac.1.38
68			Kudarbahal Stone Quarry 1	Stone	Dumerta RTU 52	33	232/363	Total	Ac.6.10
69	12	Bishra	Kudarbahal Stone Quarry 2	Stone	Kudarbahal	36	233/1	Patit	Ac.2.00
70			Kudarbahal Stone Quarry 3	Stone	Kudarbahal	33	232/362	Patit	Ac.3.00
71			Birkera Stone Quarry	Stone	Birkera	36	233/p	Tungri	Ac.3.00
72			Bhalulata Stone Quarry	Stone	Bhalulata	79	672/1176	Patit	Ac.4.00
73			Kaparaunda Stone quarry	Stone	Kaparaunda	150	53/p	Patit	Ac.7.50
74			Mahipani Stone quarry	Stone	Mahipani	133	377/p	Patit	Ac.12.00
75			Mochikucha Stone Quarry	Stone	Mochikucha	145	140	P.Chattan	Ac.1.20
76			Mahibema stone quarry	Stone	Mahibema	13	5	Patit	Ac.1.10
						28	121/181	Goda	Ac.2.10

77	13	Rourkela	Jharbahal RTU 47 Stone Quarry	Stone	RTU 47	25	280/p	Patit	12.000
78			Tangarpali RTU No 48 Stone Quarry II	Stone	RTU 48	82	431/p	Patit	4.000
79			Tangarpali RTU Stone Quarry I	Stone	RTU 48	82	512/p	Patit	4.000
80			Jharbahal RTU 48 Stone Quarry II	Stone	RTU 48	25	281/p	Patit	5.30
81			Balanda Stone Quarry	Stone	Balanda	238	2192/2717	Patit	10.000
82			Balanda Stone Quarry	Stone	Balanda	238	2292/p	Patit	7.000
83			Balanda Stone Quarry	Stone	Balanda	239	1416/2265	Patad	10.100
84			Balanda Stone Quarry	Stone	Balanda	239	1543/p,1440/2265/p,144 0/2269/p	Patad	12.050
85			Balanda Stone Quarry	Stone	Balanda	239	2267/p	Patad	10.500
86			Balanda Stone Quarry	Stone	Balanda	239	2267/p	Patad	12.000
87			Balanda Stone Quarry	Stone	Balanda	239	1440/p	Patad	10.000
88			Balanda Stone Quarry	Stone	Balanda	504	2009/p,2010/p	Patit	10.000
89			Balanda Stone Quarry	Stone	Balanda	239	1440/2266/p	Patad	11.500
90	Gutidantha Stone Quarry	Stone	Gutidantha	118	322.326	Patit	6.400		
91	Gutidantha Stone Quarry	Stone	Gutidantha	118	551/1018	Patit	9.000		
92	Garjan Stone Quarry	Stone	Garjan	204	855/1,855/2,820/1783/p	Patit	5.850		
93	14	Lathikata	Garjan Stone Quarry	Stone	Garjan	205	109	Patad	2.600
94			Jalda Stone Quarry	Stone	Jalda	120	48/3828,48/3829	Patit	11.900
95			Asurchapal Stone Quarry I	Stone	Achurchapal	112	385/p	Patad	4.390
96			Balanda Stone Quarry	Stone	Balanda	239	2266/p		12.000
97			Balanda Stone Quarry	Stone	Balanda	239	2192/2717/p,1440/2266/ p		12.000
98			Balanda Stone Quarry	Stone	Balanda	239	1899/p,2008/p		12.000
99			Balanda Stone Quarry	Stone	Balanda	239	1899/p,2008/p		10.600
100			Gutidantha Stone Quarry	Stone	Gutidantha	119	287/627/p		8.080
101			Garjan Stone Quarry	Stone	Garjan	204	820/2,820/1768		9.150
102			Garjan Stone Quarry	Stone	Garjan	204	826/1936/p,828/13937/p		6.250
103			Garjan Stone Quarry	Stone	Garjan	205	113/1		6.000
104			Garjan Stone Quarry	Stone	Garjan	204	820/1,820/1768/1,820/1 788/3		12.000
105			Jalda Stone Quarry	Stone	Jalda	121	47		13.750
106			Jalda Stone Quarry	Stone	Jalda	120	48/3827		10.380
107	Asurchapal Stone Quarry II	Stone	Achurchapal	112	385/p	Patad	5.000		

TABLE - II (B)

SAND

Sl.No.	Tah.Sl. No	Tahasil	Name of Sairat Sources	Minor Mineral Available	village	Khata	Plot No.	Kisam	Area in Acre
1	1	Sadar	New Amlipali Sand Bed	Sand	New Amlipali	381	475 & 476/1211	River	Ac.12.88
2			Kaintara Sand Bed	Sand	Kaintara	76	756/797	River	Ac.3.52
3			Samina Sand Bed	Sand	Samina	107	1/1	River	Ac.2.40
4			Lankahuda Sand Bed	Sand	LankaHuda	150	1/1	River	Ac.4.90
5			Bad Kachhar Sand Bed	Sand	Badkachar	119	1783	River	Ac.10.87
6			Bhasma Sand Bed	Sand	Bhasma	138	1384/1	River	Ac.9.3
7			Chitabhanga Sand Bed	Sand	Chitabhanga	474	2413/1	River	Ac.10.20
8			Talsara Sand Bed	Sand	Talsara	315	3501/3798/1	River	Ac.1.95
9	2	Tangarpali	Abankela Sand Bed	Sand	Abankela	175	996/1501	Nadi	Ac.14.50
10			Daldali Sand Bed	Sand	Daldali	153	1492/1652	Nadi	Ac.13.30
11			Telipali Sand Bed	Sand	Telipali	171	991	Nadi	Ac.2.70
12			Jamunadhipa Sand Bed	Sand	Jamunadhipa	38	290/1	Nadi	Ac.3.00
13			Surda Sand Bed	Sand	Surda	126	1186/1	Nadi	Ac.3.50
14			Nadisuguda Sand Bed	Sand	Nadi Surguda	113	338/1350	Nadi	Ac.13.50
15			Kurga Jharberni Sand Bed	Sand	Kurga	201	2447/p	Nadi	Ac.3.70
16			Lemlema Sand Bed	Sand	Lemlema	186	132/1645	Nadi	Ac.4.00
17			Ergapita Sand Bed	Sand	Ergapita	34	220/p	Nadi	Ac.10.00
18			Ratanpur Sand Bed	Sand	Ratanpur	107	577/1157	Nala	Ac.2.50
19			Jhariapali Sand Bed	Sand	Jhariapali	144	1549/p	Nadi	Ac.11.50
20			Bilaigarh Sand Bed	Sand	Bileigarh	217	1240/1	Nadi	Ac.5.00
21			Tangarpali Tamga Sand Bed	Sand	Tamga	189	826/p	Nadi	Ac.2.00
22			Kurga Tamga Sand Bed	Sand	Tamga	201	1991	Nala	Ac.1.00
23			Mangaspur Sand Bed	Sand	Mangaspur	432	1314/1	Jore	Ac.1.50
24			Kurla Sand Bed	Sand	Kurla	168	1720	Jore	Ac.2.29
25	3	Lephripara	Lephripara Sand Bed	Sand	Lephripara	245	1680/1	Nadi	18.48
26			Sargipali Sand Bed I	Sand	Sargipali	218	1686/2145		2.18
27			Sargipali Sand Bed II	Sand	Sargipali	218	1115/1	Nadi	6.92
28			Raidihi Basundhara Sand Bed	Sand	Raidihi	515	1115/2	Nadi	6.92
29			Chattenpali Sand Bed	Sand	Chattenpalli	140	6233/1	Nadi	15.00
30			Darlipali Sand Bed	Sand	Darlipali	528	277/1193	Nadi	15.01
31			Suruuguda Sand Bed	Sand	Surguda	173	4218	Nadi	9.15
32	4	Hemgir	Barpali Sand Bed	Sand	Barpali	89	607	Nadi	48.13
33			Kuisira Sand Bed	Sand	Kuisira	89	903		Ac.2.30
						65	508		Ac.3.00
						122	876		Ac.1.00
34			Sumra Sand Bed	Sand	Sumura	122	26		Ac.2.84
						49	98		Ac.3.74
35			Nangalkata Sand Bed	Sand	Nangalkaa	44	99		Ac.0.94
36			Bankibahal Sand Bed	Sand	Bankibahal	58	1		Ac.1.00
37	Gopalpur Sand Bed-I	Sand	Gopalpur	185	16/1		Ac.2.92		
38	Duduka Sand Bed	Sand	Duduka	46	361		Ac.3.12		
39	Duduka Sand BedII	Sand	Duduka	46	332		Ac.3.50		
40	5	Balisankara	Lulkidihi sand bed	Sand	Lulkidihi	549	202/4515	Nadi	7.21
41			Ghoggar Sand bed	Sand	Lulkidihi	171	609/p	Nadi	2.00

42	6	Subdega	Subalaya Sand Bed	Sand	Sublaya	153	1	Jore	Ac.6.80
43			Jaiser Sand Bed	Sand	Jaisar		8		Ac.0.54
44			Gailo Sand Bed	Sand	Gailo		439		Ac.7.23
45			Subdega Sand Bed	Sand	Subdea		491		Ac.3.11
46			Bhojpur Sand Bed	Sand	Bhojpur		Total		Ac.18.66
47	7	Bargaon	Baibai Sand Bed	Sand	Baibai	190	1/p	Nadi	Ac.5.00
48			Fulbari Sand Bed	Sand	Fulbari	145	1038/P	Nadi	Ac.9.00
49			Kureibaga Sand Bed	Sand	Kureibaga	363	3939/p	Nadi	Ac.2.09
50			Barpali Sand Bed	Sand	Barpali	69	1/p	Nadi	Ac.10.00
51			Kureibaga Bhoipali Sand Bed	Sand	Kureibaga	162	1076/p	River	Ac.11.40
52			Kharikamunda Sand Bed	Sand	Kharikamunda	63	1/p	River	Ac.2.00
53			Tarkera Sand Bed	Sand	Tarkera	101	1/p	River	Ac.2.00
54			Tarkera Sand Bed	Sand	Tarkera	64	387/p	River	Ac.0.50
55			Chungimati Sand Bed	Sand	Chungimari	101	751/p	River	Ac.2.00
56			Kuarmunda Sand Bed	Sand	Kuarmunda	171	1453/1483/p		Ac.1.00
57	Jamunanaki Sand Bed	Sand	Jamunanaki	118	1185/02	River	Ac.5.01		
58	Jamunanaki Sand Bed II	Sand	Jamunanaki	155	528/p	Nadi	Ac.9.10		
59	Padampur Sand Bed-I	Sand	Padampur	155	528/1304	Nadi	Ac.3.50		
60	Padampur Sand Bed-II	Sand	Padampur	155	528/1303	Nadi	Ac.2.48		
61	Bijubandh Sand Bed	Sand	Bijubandha	93	568/p	Nadi	Ac.12.50		
62	Pasara Sand Bed	Sand	Pasara	397	507/p	Nadi	Ac.12.00		
63	Bartoli Sand Bed	Sand	Bartoli	75	2876/p	Nadi	Ac.12.00		
64	Ghogar Sand Bed	Sand	Ghogar	75	2879/p	Nadi	Ac.8.00		
65	Raibaga Sand Bed	Sand	Raiboga	75	405/2	Nadi	Ac.17.00		
66	Indrapur Sand Bed	Sand	Indrapur	75	405/1	Nadi	Ac.6.50		
67	Jahartoli Sand Bed	Sand	Jahartoli	75	405/415/p	Nadi	Ac.9.60		
68	Teterkela Sand Bed	Sand	Teterkela	138	422/812/p	Nadi	Ac.23.60		
69	Lankoi Sand Bed	Sand	Lankoi	138	374/813/p	Nadi	Ac.12.00		
70	Goppur Sand Bed	Sand	Goppur	84	471/p	Nadi	Ac.10.00		
71	Jharbeda Sand Bed	Sand	Jharbeda	58	216/p	Nadi	Ac.13.00		
72	Dhodhari sand bed	Sand	Dhodhari	81	838/p	Nadi	Ac.13.00		
73	Jamsera Sand Bed II	Sand	Jamsera	84	1/p	Nadi	Ac.6.00		
74	Kundaposh Sand bed	Sand	Kundaposh	37	1/p	Nadi	Ac.6.00		
75	Khatangkudar Sand Bed	Sand	Khatangkudar	367	1847/2555	Nadi	Ac.12.00		
76	Jhirpani Sand Bed	Sand	Jhirpani	70	404/785,	Nadi	Ac.3.16		
77	Tarkera RTU No.41 Sand Bed I	Sand	RTU 41	67	460/1	Nadi	Ac.9.00		
78	Tarkera RTU No.41 Sand Bed II	Sand	RTU 41	84	526/527/p	Nadi	Ac.16.34		
79	Tarkera RTU No.44 Sand Bed III	Sand	RTU44	84	712/1459	Nadi	Ac.8.12		
80	Koelnagar RTU 27 Sand bed	Sand	Keolnagar	102	638	Nadi	Ac.8.00		
81	Tumkela RTU 8 Sand Bed	Sand	RTU 48	59	346/p	Nadi	Ac.5.00		
82	Luakera RTU No.7 Sand Bed	Sand	RTU 7	82	550/p	Nadi	Ac.12.00		
	13	Rourkela	Tarkera RTU No.41 Sand Bed I	Sand	RTU 41	109	63/548,410/ 549,409/550 ,410/551,41 0/552	Nadi	7.420 10.280 1.560 0.090 4.600
			Tarkera RTU No.41 Sand Bed II	Sand	RTU 41	109	410/512, 461/553	Nadi	9.030 10.500
			Tarkera RTU No.44 Sand Bed III	Sand	RTU44	22	424/1289	Nadi	32.800
			Koelnagar RTU 27 Sand bed	Sand	Keolnagar	174	53/82	Nadi	11.800
			Tumkela RTU 8 Sand Bed	Sand	RTU 48	2	312/339	Nadi	12.000
			Luakera RTU No.7 Sand Bed	Sand	RTU 7	78	328/757	Nadi	12.000

83	14	Lathikata	Attaghat Sand Bed	Sand		61	484/1566/2	Nadi	12.000		
84			Attaghat Sand Bed II	Sand		61	484/1566/p	Nadi	6.000		
85			Kansar Sand Bed	Sand		94	211/p	Nadi	10.000		
86			Kalakudar Sand Bed	Sand		43	296/p	Nadi	6.000		
87			Beldihi Sand Bed	Sand		146	40/p	Nadi	10.000		
88			Bhalupatra Sand Bed	Sand		46	01-01-02	Nadi	11.000		
89			Lungei Sand Bed	Sand		80	1/p	Nadi	10.000		
90			Bedihi II sand Bed	Sand		146	01/p	Nadi	10.000		
91			15	Lahunipara	Poigaon Sand bed	Sand		1	78	Nadi	Ac.37.77
92					Tumkela Sand Bed	Sand		1	31	Nadi	Ac.35.00
93	Suarpali Sand Bed	Sand				1	84	Nadi	Ac.41.75		
								12/1	Nadi	Ac.11.10	
94	Luthurba Sand Bed	Sand				1	13/1				
95	Digi Sand Bed	Sand					14/1				
96	Birtola Sand Bed	Sand				1	92	Nadi	Ac.39.37		
97	Narendra Sand bed	Sand				1	27/2	Nadi	Ac.5.00		
98	17	Gurundia	Narendra Sand Bed I	Sand		1	15-Jan	Nadi	Ac.10.00		
99			Baliatota Sand bed	Sand		1	56/p	Nadi	5.00		
100	18	Bonaigarh	Kolhasahi Sand bed	Sand		1	57	Nadi	Ac.29.10		
101			Deogaon Sand bed	Sand		1	10	Nadi	Ac.4.15		

**04. DETAILS OF ROYALTY OR REVENUE RECEIVED IN
LAST THREE YEARS :**

Table - III(A) STONE

in Lakhs

Sl.No.	Tah.Sl. No	Tahasil	Name of Sairat Source	Types of Minor Mineral	Income generated in the last three years					
					2012-13	2013-14	2014-15	Total		
1	1	Sadar,Sundargarh	Madhupur Stone Quarry	Stone	0	0	0.55	0.55		
2			Philingibahal Stone Quarry	Stone	0.09	0.00	0.00	0.09		
3			Bhasma Stone Quarry	Stone	0.04	0.06	0.22	0.32		
4			Karla Stone Quarry	Stone	0.00	0.00	0.00	0		
5			Kulta Stone Quarry	Stone	0.32	0.41	0.46	1.19		
6	2	Tangarpali	Remenda Stone Quarry I	Stone	0.04	0.20	0.25	0.49		
7			Remenda Stone Quarry II	Stone	0.06	0.24	0.27	0.57		
8			Tangarpali Stone Quarry	Stone	0.30	0.33	0.51	1.14		
9			Khuntmunda Stone Quarry	Stone	0.02	0.02	0.06	0.1		
10	3	Lephripara	Luthurkend Stone Quarry I	Stone	0.09	0.11	0.00	0.2		
11			Lephripara Stone Quarry I	Stone	0.09	0.11	0.00	0.2		
12			Lephripara Stone Quarry II	Stone	0.11	0.15	0.00	0.26		
13			Diamunda Stone Quarry	Stone	0.14	0.17	0.00	0.31		
14			Badbhanga Stone Quarry	Stone	1.25	1.4	1.77	4.42		
15			Mahulpali Stone Quarry	Stone	0.07	0.11	0.000	0.18		
16			Darlipali Stone quarry	Stone	0.06	0.00	0.000	0.06		
17			Luthurkend Stone Quarry II	Stone	0.05	0.02	0.00	0.07		
18	4	Hemgir	Kanaktora Stone Quarry I	Stone	0.00	0.00	0.00	0		
19			Kanaktora Stone Quarry II	Stone	0.00	1.51	1.74	3.25		
20			Kalamegha Stone Quarry III	Stone	0	0.65	0.75	1.4		
21			Tangardihi Stone Quarry	Stone	0	0.3	0.41	0.71		
22			Bad Ghumuda Stone Quarry	Stone	0	0.15	0	0.15		
23			Burta Stone Quarry	Stone	0.08	0.09	0.12	0.29		
24			Bandhpali Stone quarry	Stone	0.17	0.51	0.15	0.83		
25			Manoharpur Stone Quarry	Stone	0.16	0.20	0.06	0.42		
26			SanBalichuan Stone Quarry I	Stone	0.60	0.70	0.20	1.5		
27			SanBalichuan Stone Quarry II	Stone	0.85	1.06	0.63	2.54		
28			Nangalkata Stone Quarry	Stone	0.41	0.60	0.00	1.01		
29			Sarbahal Stone Quarry	Stone	0.00	0.00	0.00	0		
30			Kalamegha Stone Quarry I	Stone	0.00	0.70	0.00	0.7		
31			Kaletpani Morrum Quarry II	Stone	0.60	0.81	0.25	1.66		
32			Sanghumuda stone Quarry	Stone	0.30	0.33	0.00	0.63		
33			Barpali Stone Quarry	Stone	0.00	0.20	0.07	0.27		
34			Gopalpur Stone Quarry	Stone	0.17	0.19	0.19	0.55		
35			Sardega Stone Quarry	Stone	0.15	0.20	0.00	0.35		
36			5	Balisankara	Sankarbahal stone quarry	Stone	0	0.29	0	0.29
37					Tatjore Stone Quarry	Stone	0.70	1.50	0.00	2.2
38	Halma Stone Quarry	Stone			0.50	0.00	0.61	1.11		
39	6	Subdega	Peruabhadi Stone Quarry(A)	Stone	0	0	0	0		
40			Peruabhadi Stone Quarry (B)	Stone	0.99	1.09	1.26	3.34		
41			Damkuda Stone Quarry (A)	Stone	0	0	1.51	1.51		
42			Damkuda Stone Quarry B	Stone	0.43	0	0	0.43		
43			Damkuda Stone Quarry(c)	Stone	0.42	0	0	0.42		
44			Badmal Stone Quarry	Stone	0.12	0	0.15	0.27		
45			Subalaya Stone Quarry	Stone	0.22	0	0	0.22		
46	9	Rajgangpur	Kumarkela S.Q.I	O.Stone	1.84	2.10	2.34	6.28		
47			Kumarkela S.Q.II	O.Stone	1.48	0	2.71	4.19		
48			Rajgangpur B khol S.Q.	O.Stone	0	0	0	0		
49			Rajgangpur S.Q.III	O.Stone	12.71	14.01	0	26.72		
50			Rajgangpur S.Q.IV	O.Stone	2.02	0.56	2.52	5.1		
51			Kansbahal S.Q.	O.Stone	1.10	0	0	1.1		
52			Raikachar S.Q.	O.Stone	0	0	0	0		
53			Sunakhandi S.Q.	O.Stone	0	0	0	0		
54			Kutunia S.Q.	O.Stone	0	0	0	0		
55			Ramlata Stone Quarry	O.Stone	0	0	0	0		
56			Juarmal S.Q.	O.Stone	5.43	10.01	17.19	32.63		

58			Besrapara Kudabeda Stone Quarry	Stone	13.96	0	0	13.96
59	10	Kuarmunda	Dumangdiri Stone Quarry	Stone	11.20	0	0	11.2
60			Dumangdiri Stone Quarry I	Stone	0	0	2.7	2.7
61			Jamankira Stone Quarry	Stone	0.00	0.00	0.00	0
62			Rithatoli Stone Quarry	Stone	0.00	0.45	0.50	0.95
63	11	Birmitrapur	Sorda Stone Quarry	Stone	0.00	0.00	0.31	0.31
64			Bisnur Stone Quarry	Stone	0.00	0.00	0.00	0
65			Sorda Stone Quarry	Stone	0.00	0.00	0.00	0
66			Joketa Stone Quarry	Stone	0.05	0.15	0.17	0.37
67			Dumerta (RTU No.52)Stone Quarry2	Stone	1.24	0.00	0.00	1.24
68			Kudarbahal Stone Quarryy 1	Stone	1.17	1.34	1.54	4.05
69			Kudarbahal Stone Quarryy 2	Stone	1.32	1.52	1.75	4.59
70			Kudarbahal Stone Quarryy 3	Stone	0.87	1.00	0	1.87
71	12	Bishra	Birker Stone Quarry	Stone	0	0	0	0
72			Bhalulata Stone Quarry	Stone	3.06	3.37	3.71	10.14
73			Kaparanda Stone quarry	Stone	1.01	2.78	3.06	6.85
74			Mahipani Stone quarry	Stone	0.63	0.70	0.81	2.14
75			Mochikucha Stone Quarry	Stone	1.00	1.11	1.27	3.38
76			Mahiberna stone quarry	Stone	0	0	0	0
77			Jharbahal RTU 47 Stone Quarry	Stone	1.38	6.33	7.83	15.54
78	13	Rourkela	Tangarpali RTU No 48 Stone Quarry II	Stone	0.91	4.20	0.00	5.11
79			Tangarpali RTU Stone Quarry I	Stone	0.00	0.00	3.72	3.72
80			Jharbahal RTU 48 Stone Quarry II	Stone	11.51	0.00	0.00	11.51
81			Balanda Stone Quarry	Stone	0.00	0.00	0.00	0
82			Balanda Stone Quarry	Stone	0	0	14.71	14.71
83			Balanda Stone Quarry	Stone	36.00	0	0	36
84			Balanda Stone Quarry	Stone	18.10	19.91		38.01
85			Balanda Stone Quarry	Stone	11.7	13.46	15.47	40.63
86			Balanda Stone Quarry	Stone	15.30	17.60	20.23	53.13
87			Balanda Stone Quarry	Stone	10.8	12.6	0	23.4
88			Balanda Stone Quarry	Stone	0	17.51	54.00	71.51
89			Balanda Stone Quarry	Stone	2.70	3.11	3.57	9.38
90			Gutidarha Stone Quarry	Stone	0	3.11	3.5	6.61
91			Gutidarha Stone Quarry	Stone	0	2.25	2.8	5.05
92			Garjan Stone Quarry	Stone	11.25	0	0	11.25
93			Garjan Stone Quarry	Stone	4.26	5.00	0	9.26
94	14	Lathikata	Jalda Stone Quarry	Stone	7.25	3.33	25.00	35.58
95			Asurchapal Stone Quarry I	Stone	6.11	0	8.90	15.01
96			Balanda Stone Quarry	Stone	0	0	0.00	0
97			Balanda Stone Quarry	Stone	0	0	0.00	0
98			Balanda Stone Quarry	Stone	0	0	0.00	0
99			Balanda Stone Quarry	Stone	0	0	0.00	0
100			Balanda Stone Quarry	Stone	0	0	0.00	0
101			Gutidarha Stone Quarry	Stone	0	0	0.00	0
102			Garjan Stone Quarry	Stone	0	0	0.00	0
103			Garjan Stone Quarry	Stone	0	0	0.00	0
104			Garjan Stone Quarry	Stone	0	0	0.00	0
105			Garjan Stone Quarry	Stone	0	0	0.00	0
106			Jalda Stone Quarry	Stone	0	0	0.00	0
107			Jalda Stone Quarry	Stone	0	0	0.00	0
			Asurchapal Stone Quarry II	Stone	2.21	2.44	0	4.65

108	15	Lahunipara	San Basubahal Stone Quarry	Stone	0.20	0.25	1.20	1.65
109			Jadibahal Stone Quarry	Stone	0.36	0.00	3.11	3.47
110			Thiaberna Stone Quarry I	Stone	0.00	7.25	2.27	9.52
111			Thiaberna Stone Quarry II	Stone	0.00	16.10	0.00	16.1
112			Jamirdihi Stone Quarry	Stone	0.00	0.28	0.38	0.66
113	16	Koida	San Tikayatpali Stone Quarry	Stone	0.21	0.92	0.32	1.45
114			Toda Stone Quarry	Stone	0.54	0.59	1.12	2.25
115			Topadi Stone Quarry	Stone	0.83	0.67	0.75	2.25
116			Siainbahal Stone Quarry	Stone	0.89	0.99	1.1	2.98
117			K.Balang Stone Quarry	Stone	0.09	0.1	0.11	0.3
118	17	Gurundia	Khandapat Stone Quarry	Stone	0.63	0.71	0.79	2.13
119			San-Katuridhua Stone Quarry	Stone	0.50	0.56	0.66	1.72
120			Bhaludungri Stone Quarry	Stone	0.27	0.81	0.0000	1.08
121			Katuridhua Stone Quarry-I	Stone	0.00	0.00	0.55	0.55
122			Katuridhua Stone Quarry II	Stone	0.00	0.00	0.35	0.35
123			Katuridhua Stone Quarry III	Stone	0.00	0.00	1.01	1.01
124			BadBhulata Stone Quarry	Stone	0.30	0.10	0.20	0.6
125	18	Bonaigarh	San Mushaposh	Stone	0.00	0.00	0.00	0
126			Chandrapur Stone Quarry	Stone	6.20	7.01	0.00	13.21
					217.46	197.37	222.33	637.16

TABLE - III(B) SAND

Sl.No.	Tah.Sl. No	Tahasil	Name of Sairat Source	Types of Minor Mineral	Income generated in the last three years					
					2012-13	2013-14	2014-15	Total		
1	1	Sadar,Sundargarh	New Amlipali Sand Bed	Sand	8.80	9.65	8.21	26.66		
2			Kaintara Sand Bed	Sand	0.78	1.52	1.82	4.12		
3			Samina Sand Bed	Sand	6.83	7.65	10.23	24.71		
4			Lankahuda Sand Bed	Sand	0	0	0.12	0.12		
5			Bad Kachhar Sand Bed	Sand	0.19	0.43	0.83	1.45		
6			Talsara Sand Bed	Sand	0.22	0.36	0.00	0.58		
7			Bhasma Sand Bed	Sand	0	0	0.00	0.00		
8				Chitabhanga Sand Bed	Sand	0	0	0.00	0.00	
9	2	Tangarpali	Abankela Sand Bed	Sand	1.21	3.53	5.61	10.35		
10			Dalldali Sand Bed	Sand	0.18	1.3	2.22	3.70		
11			Telipali Sand Bed	Sand	0.11	0	0.16	0.27		
12			Jamunadhira Sand Bed	Sand	0.09	0.12	0.14	0.35		
13			Surda Sand Bed	Sand	0.09	0.18	0.30	0.57		
14			Nadisuguda Sand Bed	Sand	0.15	1.20	1.32	2.67		
15			Kurga Jharberni Sand Bed	Sand	3.00	0.00	0.00	3.00		
16			Lemlema Sand Bed	Sand	0.11	0.15	0.20	0.46		
17			Ergapita Sand Bed	Sand	0.04	0.41	1.11	1.56		
18			Ratanpur Sand Bed	Sand	0.04	0.17	0.34	0.55		
19			Jhariapali Sand Bed	Sand	0.05	0.11	0.24	0.40		
20			Bilaigarh Sand Bed	Sand	0.20	0.28	0.68	1.16		
21			Tangarpali Tamga Sand Bed	Sand	0.02	0.03	0.05	0.10		
22			Kurga Tamga Sand Bed	Sand	0.03	0.04	0.09	0.16		
23			Mangaspur Sand Bed	Sand	0.05	0	0.10	0.15		
24				Kurla Sand Bed	Sand	0.01	0.05	0.06	0.12	
25			3	Lephripara	Lephripara Sand Bed	Sand	0.61	0.00	0.00	0.61
26					Sargipali Sand Bed I	Sand	0.07	0.14	0.00	0.21
27					Sargipali Sand Bed II	Sand	0.06	0.14	0.00	0.20
28					Raidihi Basundhara Sand Bed	Sand	0.03	0.10	0.00	0.13
29	Chattenpali Sand Bed	Sand			0.04	0.24	0.00	0.28		
30	Darlipali Sand Bed	Sand			0.03	0.15	0.00	0.18		
31		Suruuguda Sand Bed			Sand	0.17	0.29	0.00	0.46	
32		Barpali Sand Bed			Sand	0.11	0.18	0.25	0.54	
33	4	Hemgir	Kuisira Sand Bed	Sand	0.08	0.13	0.15	0.36		
34			Sumra Sand Bed	Sand	0.15	0.17	0	0.32		
35			Nangalkata Sand Bed	Sand	0.09	0.10	0.03	0.22		
36			Bankibahal Sand Bed	Sand	0.15	0.17	0	0.32		
37			Gopalpur Sand Bed-I	Sand	0	0.10	0.15	0.25		
38			Duduka Sand Bed	Sand	0	0.25	0.73	0.98		
39				Duduka Sand BedII	Sand	0	0.25	0.73	0.98	
40			5	Balisankara	Lulkidih sand bed	Sand	0.16	0	0	0.16
41		Ghohgar Sand bed			Sand	0.70	2.00	2.21	4.91	

42			Sublaya	Sand	1.26	1.39	3.11	5.76
43			Jaiser Sand Bed	Sand	0.52	0	0.92	1.44
44			Gailo Sand Bed	Sand	0.35	0.53	1.00	1.88
45			Subdega Sand Bed	Sand	3938	0.26	0	3938.26
46	6	Subdega	Bhojpur Sand Bed	Sand	4.44	4.9	7.52	16.86
47			Baibai Sand Bed	Sand	0.34	0	0.11	0.45
48			Fulbari Sand Bed	Sand	0	0.22	0.09	0.31
49			Kureibaga Sand Bed	Sand	0	0.12	0.08	0.20
50			Barpali Sand Bed	Sand	0	0.12	0.16	0.28
51			Kureibaga Bhoipali Sand Bed	Sand	0	0	0.08	0.08
52	7	Bargaon	Kharikamunda Sand Bed	Sand	0	0	0.08	0.08
53			Tarkera Sand Bed	Sand	0	0	0	0.00
54	8	Kutra	Tarkera Sand Bed	Sand	0	1.36	1.61	2.97
55	9	Rajgangpur	Chungimati Sand Bed	Sand	0.40	0	0.26	0.66
56			Kuarmunda Sand Bed	Sand	12.42	0	0	12.42
57			Jamunanaki Sand Bed	Sand	0	0	0	0.00
58			Jamunanaki Sand Bed II	Sand	0	0	0	0.00
59			Padampur Sand Bed-I	Sand	0	1.88	8.28	10.16
60			Padampur Sand Bed-II	Sand	7.39	12.21	0	19.60
61			Bijubandh Sand Bed	Sand	1.27	1.41	0	2.68
62	10	Kuarmunda	Pasara Sand Bed	Sand	0	0	0	0.00
63			Bartoli Sand Bed	Sand	0.00	0.00	0.00	0.00
64			Ghogar Sand Bed	Sand	0.00	0.00	0.00	0.00
65			Raibaga Sand Bed	Sand	0.32	0.48	0.47	1.27
66			Indrapur Sand Bed	Sand	0.15	0.04	0.18	0.37
67			Jahartoli Sand Bed	Sand	1.46	1.44	1.76	4.66
68			Teterkela Sand Bed	Sand	0.00	0.00	0.00	0.00
69			Lankoi Sand Bed	Sand	0.20	0.20	0.42	0.82
70			Goppur Sand Bed	Sand	0.00	0.00	0.00	0.00
71	11	Birmitrapur	Jharbada Sand Bed	Sand	0.00	0.00	0.00	0.00
72			Dhodhari sand bed	Sand	0.49	0.16	0	0.65
73			Jamsera Sand Bed II	Sand	8.11	7.00	0.00	15.11
74			Kundaposh Sand bed	Sand	0.71	0	0.22	0.93
75			Khatangkudar Sand bed	Sand	0	0.62	0.66	1.28
76	12	Bishra	Jhirpani Sand Bed	Sand	0	0	0	0.00
77			Tarkera RTU No.41 Sand BedI	Sand	5.07	2.51	2.77	10.35
78			Tarkera RTU No.41 Sand Bed	Sand	13.41	3.88	0.00	17.29
79			Tarkera RTU No.44 Sand Bed	Sand	13.00	4.89	15.52	33.41
80			Koelnagar RTU 27Sand bed	Sand	0.00	0.00	0.00	0.00
81			Tumkela RTU 8 Sand Bed	Sand	1.55	1.74	0.00	3.29
82	13	Rourkela	Luakera RTU No.7 Sand Bed	Sand	1.50	1.64	0.00	3.14
83			Attaghat Sand Bed	Sand	2.15	2.37	0	4.52
84			Attaghat Sand Bed II	Sand	9.99	0	12.12	22.11
85			Kansar Sand Bed	Sand	23.1	25.42	0	48.52
86			Kalakudar Sand Bed	Sand	0	9.21	10.15	19.36
87			Beldihi Sand Bed	Sand	1.11	3.21	3.55	7.87
88			Bedihi II sand Bed	Sand	1.31	0	0	1.31
89			Bhalupatra Sand Bed	Sand	0	6.6	7.26	13.86
90	14	Lathikata	Lungei Sand Bed	Sand	0	0	0	0.00

91			Poigaon Sand bed	Sand	0.73	3.21	3.54	7.48
92			Tumkela Sand Bed	Sand	12.30	19.01	25.11	56.42
93			Suarpali Sand Bed	Sand	0.00	0.00	0.00	0.00
94			Luthurba Sand Bed	Sand	3.13	0.00	1.51	4.64
95			Digi Sand Bed	Sand	0.00	0.00	0.00	0.00
96	15	Lahunipara	Birtola Sand Bed	Sand	0.00	0.00	0.00	0.00
97			Narendra Sand bed	Sand	31.20	35.00	41.31	107.51
98	17	Gurundia	Narendra Sand bed I	Sand	0	0	0	0.00
99			Baliatota Sand bed	Sand	0.00	3.15	0.94	4.09
100			Kolhasahi Sand bed	Sand	1.13	0.00	0.00	1.13
101	18	Bonaigarh	Deogaon Sand bed	Sand	0.28	0.60	0.82	1.70
					4123.44	188.37	189.69	4501.50

TABLE - III(C)

MORRUM

Sl.No.	Tah.Sl. No	Tahasil	Name of Sairat Source	Types of Minor	Income generated in the last three years			
					2012-13	2013-14	2014-15	Total
1	1	Sadar, Sundargarh	Kirei Morrum Quarry	Morrum	0.37	0.40	0.60	1.37
2	2	Tangarpali	Mangaspur Murrum Quarry I	Morrum	0.06	0.10	0.11	0.27
3			Mangaspur Murrum Quarry II	Morrum	0.06	0.10	0.12	0.28
5			Nialipali M.Q.	Morrum	0.07	0	0.09	0.16
6			Kadalimunda Morum Quarry	Morrum	0.04	0	0.05	0.09
7	3	Lephripara	Lephripara Morrum Quarry	Morrum	0.04	0.00	0.00	0.04
8			Nuadihi Morrum Quarry	Morrum	0.00	0.00	0.00	0.00
9			Darlipali M.Q.	Morrum	0.03	0.05	0.00	0.08
10			Sribhubanpur M.Q.	Morrum	0.02	0.00	0.00	0.02
11	4	Hemgir	Kaletpani Morrum Quarry	Morrum	0.07	0.10	0.0	0.17
12			Sanghumuda Morrum Quarry	Morrum	0.08	0.11	0.38	0.57
13			Durubaga Morrum Quarry	Morrum	0.13	0.14	0.4	0.67
14			Kamlaga Morrum Quarry	Morrum	0.06	0.10	0.38	0.54
15			Balinga Morrum Quarry	Morrum	0.1	0.15	0.05	0.30
16			Burta Morrum Quarry	Morrum	0.07	0.07	0.10	0.24
17	5	Balisankara	Budabahal Morrum Quarry	Morrum	0.11	0	0.21	0.32
18			Deobhubanpur Morrum Quarry	Morrum	0.00	0.20	0.00	0.20
19	8	Kutra	Tildega Morrum Quarry	Morrum	0.70	0.00	0.00	0.70
20			Dahijira M.Q.	Morrum	0	0	0	0.00
21			Dahijira Morrum Quarry I	Morrum	0	0.90	1.10	2.00
22			Dahijira Morrum Quarry II	Morrum	0	0.91	1.10	2.01
22	9	Rajgangpur	Dahijira Morrum Quarry	Morrum	0.72	0	0.00	0.72
23	11	Birmitrapur	Raiboga Morrum Quarry	Morrum	0.00	0.00	0.00	0.00
24	15	Lahunipara	Poigaon Murum Quarry	Morrum	0.12	0.14	0.16	0.42
25			Brhmangaon Murrum Quarry	Morrum	0.13	0.14	0.16	0.43
26			Kumbhardihi Morrum Quarry	Morrum	0.07	0.09	0.10	0.26
27			Gadruan Morrum Quarry	Morrum	0.09	0.36	0.00	0.45
28			Kendudihhi Morrum Quarry	Morrum	2.07	0.00	0.00	2.07
29			Paragposh Morrum Quarry	Morrum	1.08	0.00	0.00	1.08
30			Gargadia Morrum Quarry	Morrum	0.00	0.00	0.00	0.00
31			16	Koida	Gopna Morrum Quarry	Morrum	0.04	0.04
32	18	Bonai	Baidpali M.Q.	Morrum	0.43	0.8	0.00	1.23
33			Ruguda M.Q.	Morrum	0.31	0.40	0.00	0.71
					7.07	5.30	5.17	17.54

TABLE- II(C)

MORRUM

Sl.No.	Tah.Sl.N	Tahasil	Name of Sairat Sources	Minor Mineral Available	village	Khata	Plot No.	Kisam	Area in Acre
1	1	Sadar, Sundargarh	Bhasma Morrum Quarry	Morum	Bhasma	132	868/1	Tungri	Ac.1.00
2			Mangaspur Murrum Quarry I	Morum	Mangaspur	431	116/349	Patit	Ac.0.73
3	2	Tangarpali	Mangaspur Murrum Quarry II	Morum	Mangaspur	432	1314/1	Dungri	Ac.0.92
4			Nialipali M.Q.	Morum	Nialipali	240	1099	Patit	Ac.0.30
5			Kadalimunda Morum Quarry	Morum	Kadalimunda	40	100/429	Patit	Ac.7.61
6			Lephripura Morrum Quarry	Morum	Lephripura	205	628/1	Tungri	10.00
7	3	Lephripura	Nuadihi Morrum Quarry	Morum	Nuadihi	227	1265	Patit	3.00
8			Darlipali M.Q.	Morum	Darlipali	527	5367	Patit	0.94
9			Sribhubanpur M.Q.	Morum	Sribhubanpur	68	276	Patit	12.76
10			Kaletpani Morrum Quarry	Morum	Kaletpani	29	239		Ac.0.52
11			Sanghumuda Morrum Quarry	Morum	Sanghumuda	54	1106		Ac.0.26
12	4	Hemgir	Durubaga Morrum Quarry	Morum	Durubaga	123	1246		Ac.0.26
13			Kamlaga Morrum Quarry	Morum	Kamlaga	35	276		Ac.0.22
14			Balinga Morrum Quarry	Morum	Balinga	58	86		Ac.1.73
15			Burta Morrum Quarry	Morum	Burta	25	351		Ac.0.33
16	5	Balisankara	Budabahal Morrum Quarry	Morum	Budabahal	279	101	Gochar	11.70
17			Deobhubanpur Morrum Quarry	Morum	Deobhubanpur	351	2317	Patit	1.60
18			Tildega Morrum Quarry	Morum	Tildega	129	108	Tungary	1.38
19	8	Kutra	Dahijira M.Q.	Morum	Dahijira	292	541	Pathar Bani	Ac.8.80
20			Dahijira Morrum Quarry I	Morum	Dahijira	292	541	Pathar Bani	Ac.8.80
21			Dahijira Morrum Quarry II	Morum	Dahijira	292	2134	Pahad	Ac.1.82
22	9	Rajgangpur	Dahijira Morrum Quarry	Morum	Dahijira	292	541	Pathar Bani	Ac.8.80
23	11	Birmitrapur	Raiboga Morrum Quarry	Morum	Raiboga	367	769/1	Pahad	Ac.9.28
24			Poigaon Murum Quarry	Morum	Poigaon	100	527	Bastijogya	Ac.5.10
25			Brhmangaon Murrum Quarry	Morum	Brahmangaon	63	451	Gochar	Ac.11.12
26			Kumbhardihi Morrum Quarry	Morum	Kumbhardihi	50	53	Patit	Ac.5.00
27	15	Lahunipara	Gadruan Morrum Quarry	Morum	Gadruan	123	545	Gochar	Ac.13.45
28			Kendudihi Morrum Quarry	Morum	Kendudihi	151	1107	Patit	Ac.0.22
29			Paragposh Morrum Quarry	Morum	Paragposh	60	138	Patit	Ac.3.49
30			Gargadia Morrum Quarry	Morum	Gargadia	39	92	Gochar	Ac.2.66
31	16	Koida	Gopna Morrum Quarry	Morum	Gopna	164	350/1	Patit	Ac.4.50
32			Baidpali M.Q.	Morum	33	206/p	har Chat	Ac.1.00	0.43
33	18	Bonai	Ruguda M.Q.	Morum	208,210	3380,3382	Gochar, Ghasa	Ac.1.21, Ac.19.22	0.31

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	673798	800371	791744
Moorum	94636	86724	94334
Stone	241031	365838	174392
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.

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 distirct 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.

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 expecting 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

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

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, Attaghat	Attaghat	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, Lungai	Lungai	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		Malithi	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-Amlipali	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		Lankahuda	Ac-4.900, Khata No- 150 Plot No- 1/1				4.900	2037
23	River, IB	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		Madhapur	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		Ghoghar Sand Bed (B)	Khata No. 171, Plot No.457, Area Ac. 7.00		0.305	91.5	27907	
37	River, IB	Kusumura	Khata No.203, Plot No.1281/p, Area Ac. 10.00		0.296	149	44104	
38		Bankidihni	Khata No.48, Plot No.270/457, Area Ac.10.45		0.29	144.78	41986	

39		Bilaigarh Sand Bed			0.25	0.07	14216	8530	
40		Jamundahipa			0.19	0.07	8375	5025	
41		Kurga Jharberri Sand Bed			0.19	0.08	10458	12550	
42		Lemlema Sand Bed			0.13	0.12	1553	930	
43		Ratanpur Sand Bed					912	500	
44	River, IB, Iecha & Tamga	Ergapita Sand Bed			0.03	0.14	34240	41090	
45		Abankela Sand Bed			0.5	0.17	48118	28870	
46		Nadisuguda Sand Bed			0.32	0.11	46876	56250	
47		Daldali Sand Bed			0.32	0.24	46766	28060	
48		Surda Sand Bed			0.11	0.08	5443	3260	
49		Telipali Sand Bed			0.84	0.01	7212	4327	
50		Mangaspur Sand Bed					820	490	
51		Kurla Sand Bed					940	560	
52			Chungimati		Khata No.92, Plot No.568/p & 507/p, Ac.8.00				
53			Koelnagar						
54		Tarkera-I							
55		Tarkera-II							
56		Tarkera-III							
57		Tumkela							
58		Luakera							
59		Jaharitoli		Khata No.67, Plot No.459/1 & 460/1, Ac.12.50				10850	
60		Teterkela		Khata No.84, Plot No.526/527/1, Ac.16.34				60243	
61		Lankoi		Khata No.137, Plot No.712/1459/1 & 620/1458 Ac.13.90				28612	
62		Gopur		Khata No.102, Plot No.638/1 Ac.13.00				55040	

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-tikayalpali		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

20	Kumbhardihi		Khata No.50, Plot No.53	0.14	0.13	20234.28	3000
21	Stanbahal		Khata No.21, Plot No.30, Area 12.00	Nil	Nil	Nil	9000
22	Toda		Khata No.84, Plot No.647, Area 10.00	Nil	Nil	Nil	2016
23	Thelakudar		Khata No.26, Plot No.126, Area 10.00	Nil	Nil	Nil	1000
24	Raijanpur-III		Khata No.379, Plot No.985/p, Ac.4.00	--	--	--	--
25	Raijgampur-IV		Khata No.379, Plot No.1063/p, Ac.4.65	--	--	--	--
26	Jouramal		Khata No.165, Plot No.1133/1570/p, Ac.10.00	--	--	--	--
27	Kutunia		Khata No.443, Plot No.2214/2216, Ac.4.04	--	--	--	--
28	Dhaurada		Khata No.37/44, Plot No.1181, 1182, & 1183 Ac.6.09	--	--	--	--
29	Bhagaltola		Khata No.169, Plot No.360/p Ac.5.00	--	--	--	--
30	Ramlata		Khata No.37, Plot No.25/p Ac.7.00	--	--	--	--
31	Kansbahal		Khata No.132 Plot No.1914p Ac.7.69	--	--	--	--
32	Barangakhol		Khata No.379 Plot No.1410/2859/p Ac.5.00	--	--	--	--
33	Raikakachhar		Khata No.155 Plot No.1131 Ac.3.20	--	--	--	--
34	Sunakhandi		Khata No.73 Plot No.928 Ac.10.00	--	--	--	--
35	Raijgampur-IV		Khata No.379 Plot No.985/p Ac.4.50	--	--	--	--
36	Raijgampur-II		Khata No.379 Plot No.985/p Ac.4.00	--	--	--	--
37	Kumarkela-I		Khata No.413 Plot No.3155/p Ac.7.00	--	--	--	--
38	Kumarkela-II		Khata No.413 Plot No.3159/p Ac.7.10	--	--	--	--
39	Tangarpali Stone Quarry		Khata No.92 Plot No.508/p & 507/p Ac.8.00	--	--	--	--
40	Jharabahal		--	--	--	--	--
41	Jharabahal-II		--	--	--	--	--
42	Tangarpali		--	--	--	--	--
43	Tangarpali		--	--	--	--	--
44	Kanaktura		--	--	--	--	--
45	San-baichuan		--	--	--	--	--

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
					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
					Chotbhaga	0.50	100	50000.00	48000
					Kudabaga	1.00	100	100000.00	96000
					Bhasma	1.50	100	150000.00	144000
					TOTAL		100	1200000.00	1152000
2	Madalghat Nallah Sukhajore	8.50	Sundargarh	300	Bhojpur Bagbandha	2.00	50	100000.00	96000
					Kaisara	1.00	70	70000.00	67200
					Kinjirna	1.00	50	50000.00	48000
					Amasranga	2.00	80	160000.00	153600
					Badkachhar		0	0.00	0
					Philingibahal	1.00	0	50000.00	48000
					Turiposh Jangli	1.00	30	30000.00	28800
					TOTAL		30	360000.00	345600
	Ustalli Nallah	20.00	Sundargarh	300	Birbira	1.00	30	30000.00	28800
					TOTAL		30	30000.00	28800
	Gahrijore Nallah	15.00	Sundargarh	280	Khapurikhaman	0.50	30	15000.00	14400
					TOTAL		30	15000.00	14400
	Sarswati Nallah	13.00	Sundargarh	280	Tangarmunda & Lemlina Khuntgaon	0.60 0.30	30 30	18000 9000.00	17280 8640
					TOTAL		30	27000.00	25920

				Jhariapali	0.50	50	25000.00	24000
				Sargipali	0.50	50	25000.00	24000
				Surda & Jhimermahul, Telipali	1.00	50	50000.00	48000
				Dumerkud	1.00	50	50000.00	48000
				TOTAL		150000.00		144000
				Mandira & Khajurdih	1.30	50	65000.00	62400
				Kherpash	1.00	40	40000.00	38400
				Chungimati	1.00	50	50000.00	48000
				Raiberna	1.50	50	75000.00	72000
				Bhalupatra	2.00	50	100000.00	96000
				Chandiposh	1.00	50	50000.00	48000
				Padampur Beldihi	1.00	50	50000.00	48000
				Kutenpash	1.50	50	75000.00	72000
				Gopapali	1.50	80	120000.00	115200
				TOTAL		625000.00		600000
				Jarakela	2.00	25	50000.00	48000
				Nuatole	2.00	25	50000.00	48000
				Mashrikudes	0.50	40	20000.00	19200
				Teterkela	1.50	50	75000.00	72000
				Bangurkela	2.00	50	100000.00	96000
				Jobaghat	1.00	50	50000.00	48000
				Jhirpani	1.00	50	50000.00	48000
				Namirpas	3.00	50	150000.00	144000
				Pasra	2.00	50	100000.00	96000
				Bijubandha	2.00	50	100000.00	96000
				Tumkela	1.00	50	50000.00	48000
				Luakera	2.00	50	100000.00	96000
				Padhanpali	1.50	50	75000.00	72000
				Panposh	1.50	50	75000.00	72000
				TOTAL		1045000.00		1003200
				Bilagarh	2.00	30	60000.00	57600
				TOTAL		60000.00		57600
				Simrila	1.00	15	15000.00	14400
				Kimang	3.00	20	60000.00	57600
				TOTAL		240		
				Odisha	14.00	300	60000.00	57600
				TOTAL		14.00		57600
				Jharkhand	44.00	240	60000.00	57600
				TOTAL		44.00		57600
				Odisha	14.00	300	60000.00	57600
				TOTAL		14.00		57600
				Jharkhand	44.00	240	60000.00	57600
				TOTAL		44.00		57600

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
Peruabhadri Stone Quarry-A	117974	--	--	589881
Peruabhadri 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
Suarpali Sand Bed	--	--	89420.64	89420.64
Piogaon Sand Bed	--	--	61059.76	61059.76
Thiaberma Stone Quarry-I	7230.00	--	--	--

Thiaberma Stone Quarry-II	28920.00	--	--	--	--	--	--
Jamirdihi Stone Quarry	31330.00	--	--	--	--	--	--
Daleisara Stone Quarry	24726.60	--	--	--	--	--	--
San-Tikayatpali Stone Quarry	151213.04	--	--	--	--	--	--
Gadruan Moorum Quarry	--	--	--	--	--	--	--
Kumbhardhi Moorum Quarry	--	--	--	--	--	--	--
Blaigarh 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	--
Raiganpur-III	36051.19	--	--	--	--	43934.15	--
Raiganpur-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	--
Barangakhol	79060.05	--	--	--	--	912459.5	--
Raikakachhar	--	--	--	--	--	53984	--
Sunakhandi	--	--	--	--	--	10845	--
Raiganpur-I	--	--	--	--	--	14460	--
Raiganpur-II	--	--	--	--	--	14460	--
Kumarkela-I	--	--	--	--	--	14460	--

1	2	3	4	5	6	7
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	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
				50	1000000.00	96000
2	Madalghat Nallah Sukhajore	8.50	Sundargarh	TOTAL	100000.00	96000
				70	70000.00	67200
				50	50000.00	48000
				80	160000.00	153600
				0	0.00	0
3	Safai	70.00	Sundargarh	0	50000.00	48000
				30	30000.00	28800
				TOTAL	360000.00	345600
				30	30000.00	28800
				TOTAL	30000.00	28800
4	Ustalli Nallah	20.00	Sundargarh	30	30000.00	28800
				TOTAL	30000.00	28800
				30	15000.00	14400
5	Gahirjore Nallah	15.00	Sundargarh	30	15000.00	14400
				TOTAL	15000.00	14400
				30	18000	17280
6	Sarswati Nallah	13.00	Sundargarh	30	9000.00	8640
				TOTAL	27000.00	25920
				30	9000.00	8640

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
8	Sankh	17.00	Odisha (Down stream of Mandira Dam)	50	65000.00	62400
				40	40000.00	38400
				50	50000.00	48000
				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
9	Koel	40.00	Jharkhand	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	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
12	Brahamani River	98	Jharkhand	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				
13	Sudhi Nallah	6.5	Odisha	15	22500.00	21600

					TOTAL	22500.00	21600
14	Kuradi Nallah	16.00	Odisha	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

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