

**DRAFT DISTRICT SURVEY REPORT**  
**FOR MINOR MINERALS FOR**  
**BOUDH DISTRICT**

*O. Mahanta*  

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4.8.19

## INTRODUCTION

Boudh is an administrative district of Odisha, with its headquarters located at the town of Boudh. Bounded by Sonepur district in the north, Kandhamal in the south, Nayagarh in the east and Balangir in the west, Boudh is almost centrally located in the state. It lies between 83-34 degree and 84-49 degree East longitude and between 20-22 degree and 20-60 degree North latitude.

Spread over an area of over 3098 sq kms, the district ranks 22<sup>nd</sup> in size among the 30 districts of the state. It accounts for 1.99 % of the state's territory. There are 1186 villages including 71 uninhabited villages spread over 63 gram panchayats, covering 3 community development blocks, 3 tehsils and one subdivision. The district has 31,510 ha of forest land, 23,544 ha put to non-agri use, 8,495 ha of barren and non-cultivable land, 17,856 ha of pastures and 392 ha of miscellaneous trees and groves, 12,687 ha of culturable waste, 16,938 ha of Old fallows, 16,928 ha of current fallows and 74,286 ha of net area sown totaling a geographical area of 20,26,36 ha.

The climate of Boudh is generally hot and humid from March to June and cold from November to February. The monsoon generally breaks in the month of June. The average annual rainfall is 1327 mm in the district. Highest rainfall in the last 10 years was recorded in the year 2014 with 1690.6 mm of rainfall. (Annual rainfall data for the year 2006-2019 attached at **Annexure-C**).

Road transport is the only means of communication in the district. The district has 109 km of National Highways, 64 kms of State Highways, 53 kms of major district roads, 34 kms of other district roads, 480 kms of rural roads, 4494 kms of gram panchayat roads, 208 kms of PS roads and 245 kms of forest roads. All weather communication has been provided to 357 of the 847 habitations of the district. At present, there is no rail link to the district. However, Khordha Road- Balangir rail line, which is under construction, will pass through several parts of the district, adding this part of the state to the rail link of the nation. The distance of Boudh from Bhubaneswar is 240 km. One can come to Boudh via State Highway No. 1 and 14 (via Nayagarh -Charichhak) or can come by National Highway No. 42 (via- Angul). Regular train services are available from Bhubaneswar to Rarakhol in Sambalpur district. From Rairakhol one has to travel around 27 km. either by bus or taxi to reach Boudh. The nearest airport is at Bhubaneswar.

### Topography

The district of Boudh may broadly be divided into two distinct physical divisions; the plains in the north and the highlands in the south.

Between the high mountain ranges of the Harabhanga in the south and the river Mahanadi in the north forming the northern boundary of the district lie the fertile plains of Boudh. A long strip of plains runs parallel to the Mahanadi with gradual undulating rises to the hill ranges which form the Kandhamals. The natural features of the country lend themselves to irrigation, the hills of the southern border forming a natural watershed from which many small streams find their way to the Mahanadi. The hills on the southern border and the foothills are thickly covered with forests.

The district covers both fertile plains and hilly zones. There is a long strip of plain land running parallel to the Mahanadi. Many small streams, tributaries, fountains (locally called *jhors*) find their way to the Mahanadi. The plains of Boudh are drained by the tributaries of the Mahanadi while the southern and the western regions are drained by the tributaries of the Tel.

### Rivers

The longest river of the state the Mahanadi and several tributaries flow in the district. The Mahanadi which originates from the Amarakantaka hill range of Madhya Pradesh flows downwards in a south-east direction. The river belt is divided into three parts such as the upper Mahanadi valley, middle Mahanadi valley and the lower Mahanadi valley. The district of Boudh comes under the middle Mahanadi valley. The tributary Bagh rises in the hills near Bandhagarh of the Phulabani hill tract and falls into the Mahanadi flowing for about 64 kms. This river also has pre-historic sites. The Salki, which rises in the Baliguda sub-division of Phulbani district, also touches the district of Boudh. **(Annexure D)**

### Overview of Mining Activity

Mining Activity is not a major economical contributory sector in this district. This sector only contributes 0.08% to the NDDP of Boudh. In the three tahasils of this district, there are 13 no of identified sand sources and 19 no. of identified stone quarries. In addition, there are two (2) sand sources proposed to be leased out under Boudh Tahasil. Recently a new quartz source has been identified under Kantamal Tahasil in village Lumurajhala for which survey work is ongoing by ORSAC and Mining Office, Phulbani.

Name of Tahasil	Type of Source	No of Sources	Place
Boudh	Sand	4	Tutusingha Tutusingha B Marjadpur Amurda
	Stone	10	Udubilika-1 Udubilika-2 Udubilika-3 Udubilika-4 Udubilika-5 Udubilika-6 Damodarpur Palsadadar-1 Palsadadar-2 Palsadadar-3
Kantamal	Sand	5	Lokapada Mallikud Ghantapada Bukuramunda Tileimal
	Stone	5	Bikrampur KA Bikrampur KHA Dedhenmal-1 Dedhenmal-2 Kanikupa
Harabhanga	Sand	6	Kharasankulei Badabankapada Dianghat Uanla Harabhanga Karadi
	Stone	2	Kharbhuin-1 Kharbhuin-2

### List of Mining Leases in the District

Out of the 32 sairat sources present in the district, 20 have been leased out and operationalized while 12 sources ( five sand and seven stone quarries) remain non-operationalized. Steps are being taken to lease out the remaining sairat sources so as to add to Govt. revenue and prevent illegal theft of minor minerals.

The detailed list of Mining leases active with location ,area and period of lease are attached at **Annexure-A for Sand Sources and Annexure-B for Stone Sources.**

The Royalty received from each sairat source for the period 2016-17 to 2018-19 is attached at **Annexure-A &B.**

### Production and Deposition of Sand

As revealed from the Mining Plan of the Identified Sand Sources, average annual production per source is 2526 cm. The Mahanadi, Salki and Bagh rivers are sources of deposition of sand in the district. Post monsoon the sediments carried by the rivers are deposited along the river banks, the expected quantity of sand deposition and production from each source are reflected in Annexure -A.

### Land Use- Agriculture, Forest, Horticulture, Mining

Use	Area	Percentage of total Dist. area
Agriculture	74,286	36.7
Forest	31,510	15.5
Mining	39.6	0.02
Barren and Non-cultivable	8,495	4.2
Horticulture	5,420	2.7
Fallow land	33,855	16.8

*(The mineral map of the District with marked leased areas and Eco Sensitive Areas will be uploaded soon)*

Name of the Tahasil -

## SAND SOURCES

Annexure-A

TAHASIL ( TO BE GIVEN IN RIVER WISE CONCESSION OR LEASE)

Sl No	Name of river or stream	Portion of the river or stream recommended for Mineral Concession with GPS Co-Ordinate, Village, Khata No, Plot No. & Kisam	Length of Area recommended for Mineral Concession ( In Km)	Average width of Area recommended for Mineral Concession ( in meter)	Length of Area recommended for Mineral Concession ( in sq. meter/Ha.)	Mineable Mineral potential in Metric tones ( 60% of total Minerals/ Potential)	Geological mineral potential in Metric tones/ Cums	Name of the Lessee with address	Period of Lease		Status of Working or non working/ Temp permit working for despatch	Royalty Received ( In Rupees)			Production ( Sand ) (In Cums)		
									From	To		2016 -17	2017 -18	2018 -19	2016 -17	2017 -18	2018 -19
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
		GPS- Village- Khata No.- Plot No.- Kisam-															
1	Tel River	GPS-Lat.N20 36' 10.20" to N20 36' 21.09" Long.E83 43' 43.26" to E83 43' 49.28" Village-Mallikud Kh.No.197 Pl.No.418 Kisam-Nala Pl.No.1 Kisam-Nadi			49978 sq.m./ 5.00 Ha.	40306 cum.	49978 cum.	Sri Ranjan Kumar Mishra S/O-Ghanashyam Mishra At-Kharjhura P.O.-Khari Dist.-Subarnapur-767016	2016 -17	2020 -21	Working	0	34460	51690	0		54
2	Tel River	GPS-Lat.N20 49' 58.49" to N20 50' 01.00" Long.E83 36' 38.22" to E83 36' 46.16" Village-Lokapada Kh.No.175 Pl.No.253 Kisam-Nadi			49978 sq.m./ 5.00 Ha.	43547 cum.	49978 cum.	Sri Ranjan Kumar Mishra S/O-Ghanashyam Mishra At/P.O.-Kharjhura Dist.-Subarnapur-767016	2016 -17	2020 -21	Working	23520	61094	91641	0		135
3	Tel River	GPS-Lat.N20 55' 09.9" to N20 55' 27.9" Long.E83 40' 13.7" to E83 40' 29.5" Village-Ghantapada Kh.No.275 Pl.No.1 Kisam-Nadi			49999 sq.m./ 5.00 Ha.	47955 cum.	74998 cum.	Sri Surya Narayan Sahu At/P.O.- Ghantapada Dist.-Boudh	2017 -18	2021 -22	Working	0	0	172500	0	0	0
4	Meheruni River	GPS-Lat.N20 45' 49.7" to N20 46' 17.3" Long.E83 55' 31.4" to E83 55' 50.3" Village-Bukuramunda Kh.No.71 Pl.No.228, 372, 373, 705 Kisam-Nadi			49999 sq.m./ 5.00 Ha.	17716 cum.	49999 cum	Sri Bijan Sahu At/P.O.-Padarapada Dist.-Boudh	2018 -19	2021 -22	Working	0	0	30000	0	0	0

25/10/19

Name of the Tahasil - Harahanga

SAND SOURCES

Annexure-A

TAKSIL ( TO BE GIVEN IN RIVER WISE CONCESSION OR LEASE)																	
Sl No	Name of river or stream	portion of the river or stream recommended for Mineral Concession with Ordinance No, Part No. & Gram	Length of Area recommended for Mineral Concession (in Km)	Average width of Area recommended for Mineral Concession (in meter)	Length of Area recommended for Mineral Concession (in sq. meter/ha.)	Mineral potential in Metric tons (50% of total Minerals/Potential)	Geological potential in mineral (Metric tons/cum)	Name of the Lessee with address	Period of Lease	From	To	Status of Working or non working/ Temp permit working for despatch	Royalty Received (in Rupees)	2015-17	2017-18	2018-19	2019-20
1	Makaniad	39° 20' 47.48 33" to 20° 42' 54.36" W 84° 30' 54.77E Village- Kaverasikodi Kanta No.- 107 Pta No.- 100 Gean- Nadi	59 Zentor	47.50mt	29415sq.m	11418 cum	13582 cum	Budhsagar Mishra,S/o Mrutyunjaya Mishra Vill/Po:Bramchandrapur,Dist:Boudh	2015-16	2019-20	working	94080	95844	97944	2240	2282	2332

2	Mahanadi GPS: 20° 48' 00" to 20° 49' 00" N 84° 19' 45" to 84° 20' 00" E Village- Badabankapada Khatra No. - 113 Plot No. - 372,355 Ksasm- Nadi	129mtr	62mtr	7998Sq.m	40080cum	50880cum	Sarat Ch.Pradhan,S/o S.N.Pradhan,At-Rajanpali,Po- Butupali,Dist-Boudh	2016-17	2020-21	working	0	0	145880	0	0	4168
3	Mahanadi GPS: 20° 38' 6.32" to 20° 38' 11.06" N 84° 36' 28.19" to 84° 36' 34.16" E Village-Dinghat Khatra No. - 92 Plot No. - 76/A Ksasm- Nadi	78mtr	24.48mtr	1910Sq.mtr	47725cum	60750cum	Ashish Ku.Tripathy ARSS Project Ltd,BBSR	2015-16	2019-20	working	171720	171720	171720	4770	4770	4770
4	Mahanadi GPS: 20° 43' 30.88" to 20° 43' 36.22" N 84° 28' 18.83" to 84° 28' 24.42" E Village-Uarla Khatra No. - 81 Plot No. - 224 Ksasm- Nadi	70mtr	35.9mtr	2513sqm	7524.6cum	9819cum	Budhisagar Mishra,S/o Mrutyuanjaya Mishra Vill/Po:Biramchandrapur,Dist:Boudh	2015-16	2019-20	working	60200	60200	60240	1505	1505	1506
5	Mahanadi Village- Harahariga Khatra No. - 343 Plot No. - 147/A Ksasm- Nadi						Auction not done from March,2018 and Sub- judice in High court of Odisha									



6	Mahanadi	Village- Karadi Khata No.- 151 Plot No.- 455/A Kham- Nadi																					

A

**SAND SAIRATS PROPOSED TO BE LEASED OUT IN NEXT 5 YEARS (19-20 TO 23-24)**

TAHASIL ( TO BE GIVEN IN RIVER WISE CONCESSION OR LEASE)


Sl. No	Name of river or stream and name of village	Section of the river or stream recommended for Mineral Concession with GPS Co-Ordinate, Village, Khata No, Plot No. & Khasam	Name of village	Length of Area recommended for Mineral Concession (In Km)	Average width of Area leased for Mineral Concession (In Km)	Area leased for Mineral Concession (In sq. meter/Ha.)	Mineable Mineral as per approved mining plan (in Cum)	MGQ (CUW)	Distance in KM from different structure										Distance from village in KM	Access road exists or not	Approval of District Irrigation Water Resource dept.
									Bridge	Culvert	Dam	Weir	water extra ction point	Water supply Head wor KS	Extraction point for irrigation	Any other cross drainage structure					
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T		
1	Mahanadi	Amurda Khata No-113 Plot No-9	Amurda	20234	0.504	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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**SAND SAIRATS PROPOSED TO BE LEASED OUT IN NEXT 5 YEARS (19-20 TO 23-24)**

TAHASIL ( TO BE GIVEN IN RIVER WISE CONCESSION OR LEASE)

Sl No	Name of river or stream and name of village	Portion of the river or stream recommended for Mineral Concession with GPS Co-Ordinate, Village, Khata No, Plot No. & Kسام	Name of village	Length of Area recommended for Mineral Concession (in Km)	Average width of Area leased for Mineral Concession (in KM)	Area leased for Mineral Concession (in sq. meter/Ha.)	Mineable Mineral as per approved mining plan (in Cum)	MGQ (CUM)	Distance in KM from diffrent structure								Distance from village in Km	Access road exists or not	Approval of District Authority / Irrigation / Water Resource dept.							
									Bridge	Culvert	Dam	Weir	water extra ction point	Water Head wor supply KS	Extraction point for irrigation	Any other cross drainage structure										
1	Mahanadi	Murusundi Khata No-51S Plot No-1	Tuturinga	2023.43	46	46	0	1620	Mahanadi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

  
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32

**SAND SAIRAT ALREADY LEASED OUT AND EXECUTED**

Sl No	Name of river or stream and name of village	Portion of the river or stream recommended for Mineral Concession with GPS Co-Ordinate, Village, Khata No, Plot No. & Khasam	Length of Area recommended for Mineral Concession (in Km)	Average width of Area leased for Mineral Concession (in KM)	Area leased for Mineral Concession (in sq. meter/Ha.)	Mineable Mineral as per approved mining plan(in Cum)	Production proposed in the mining plan (cum)							Y (R) Forms issued by the Tahasildar						Royalty (in Rs Lakh) collected as royalty			Any other remarks
							15	16	17	15	16	17	15	16	17	15	16	17					
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q							
1	salunki	Khuntabandh, Khata No-132 Plot No-463	1618.74	133	0.4	1150	1150	1150	1150	100	100	100	43700	43700	43700								

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 Tahasildar, Boudh

**SAND SAIRAT ALREADY LEASED OUT AND EXECUTED**

**TAHASIL ( TO BE GIVEN IN RIVER WISE CONCESSION OR LEASE)**

Sl. No.	Name of river or stream and name of village	Portion of the river or stream recommended for Mineral Concession with GPS Co-Ordinate, Village, Khata No, Plot No. & Kiseram	Length of Area recommended for Mineral Concession ( in Km)	Average width of Area leased for Mineral Concession ( in KM)	Area leased for Mineral Concession ( in sq. meter/Ha.)	Mineable Mineral potential as per approved mining plan(in Cum)	Production proposed in the mining plan (cum)			Y (R ) Forms issued by the Tahasildar			Royalty (in Rs Lakh) collected as royalty			Any other remarks
							15	16	17	15	16	17	15	16	17	
							16	17	18	16	17	18	16	17	18	
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	Mahmadi	Murusundhi, Khata No-518, Plot-1/B	52609	210	14.4	8000	0	0	8688	0	0	500	0	0	1670992.00	


  
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 Tahasildar, Boudh

23

ANNEXURE-2B

ROAD METAL/ SLACKSTONE/WHITESTONE/LATERITE/MORRUM / EARTH FOR ROAD CONSTRUCTION / EARTH FOR BRICK MAKING SAIRATS ALREADY LEASED OUT AND EXECUTED

Sl. No.	Name of village	Name of Resource Q/S	Area of concession (in sq. m)	Average width of concession (in km)	Area of concession (in sq. m)	Mining potential as per approved mining plan (in cum)	TAHSIL (TO BE GIVEN IN RIVER WISE CONCESSION OR LEASE)									
							15	16	17	18	19	20	21	22	23	24
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
4	Udolikra Quary	Gochhapada, Khals No-121 Plot No-756	435600	40465.6	0.0404	4000	-	-	-	-	-	-	-	-	-	-

  
 23.9.19  
 Tahasildar, Boudh

32

ROAD METAL/ BLACKSTONE/WHITESTONE/LATERITE/MORRUM / EARTH FOR ROAD CONSTRUCTION / EARTH FOR BRICK MAKING SAIRATS ALREADY LEASED  
 OUT AND EXECUTED

Sl No	Name of Mineral	Name of village	Location of Resource(GPS co-ordinates of Khata & Plot No) (Sketch map to be attached)	Length of area leased for mineral concession (in km)	Average width of area leased for mineral concession (in km)	Area leased for mineral concession (in sq m)	Mineable mineral potential as per approved mining plan (in cum)	Production proposed in the mining plan (cum)			Y (R) Forms issued by the Tahasildar			Royalty (in Rs Lakh) collected as royalty			Any other remarks
								15	16	17	15	16	17	15	16	17	
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	
5	Udbilik Stone Quarry	Udbilika	Gochhapada Khata No-121 Plot No-665	0.0526	52609.1	566280	2720	0	0	9520	0	0	400	00	00	2457180.00	

23-9-19  
 Tahasildar, Boudh

**ROAD METAL/ BLACKSTONE/WHITESTONE/LATERITE/MORRUM / EARTH FOR ROAD CONSTRUCTION / EARTH FOR BRICK MAKING SAIRATS ALREADY LEASED  
OUT AND EXECUTED**

Sl No	Name of Minor Mineral	Name of village	Location of Resource(GPS co-ordinates of Khata & Plot No) (Sketch map to be attached)	Length of area leased for mineral concession (In km)	Average width of area leased for mineral concession (in Km)	Area leased for mineral concession (In sq m)	Mineable mineral potential as per approved mining plan(In cum)	TAHASIL ( TO BE GIVEN IN RIVER WISE CONCESSION OR LEASE)			Y (R ) Forms issued by the Tahasildar			Royalty (in Rs Lakh) collected as royalty			Any other remarks			
								Production proposed in the mining plan (cum)			15	16	17	15	16	17		15	16	17
								15	16	17										
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>		<b>H</b>	<b>I</b>	<b>J</b>	<b>K</b>	<b>L</b>	<b>M</b>	<b>N</b>	<b>O</b>	<b>P</b>	<b>Q</b>			
4	Udbilka-IV Stone quarry	Udbilka	Gochhapada Khata No-121 Plot No-753	0.0081	8093.71	87120	2250	2025	2025	2025	100	100	100	409050.00	409050.00	409050.00				

  
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 Tahasildar, Boudh




**ROAD METAL/ BLACKSTONE/WHITESTONE/LATERITE/MORRUM / EARTH FOR ROAD CONSTRUCTION / EARTH FOR BRICK MAKING SAIRATS ALREADY LEASED  
OUT AND EXECUTED**

Sl No	Name of Minor Mineral	Name of village	Location of Resource(GPS co-ordinates of Khata & Plot No) (Sketch map to be attached)	Length of area leased for mineral concession (In km)	Average width of area leased for mineral concession (In Km)	Area leased for mineral concession (In sq m)	Mineable mineral potential as per approved mining plan(In cum)	TAHASIL ( TO BE GIVEN IN RIVER WISE CONCESSION OR LEASE)			Y (R ) Forms issued by the Tahasildar			Royalty (in Rs Lakh) collected as royalty			Any other remarks
								Production proposed In the mining plan (cum)			Y (R ) Forms issued by the Tahasildar			Royalty (in Rs Lakh) collected as royalty			
								15	16	17	15	16	17	15	16	17	
								16	17	18	16	17	18	16	17	18	
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>	<b>K</b>	<b>L</b>	<b>M</b>	<b>N</b>	<b>O</b>	<b>P</b>	<b>Q</b>	
3	Udbilka-III Stone quarry	Udbilka	Gochhapada Khata No-121 Plot No-753	0.0081	8093.71	87120	2070	1863	1836	1782	100	100	100	335340.00	330480.00	320760.00	

  
 23-9-19  
 Tahasildar, Boudh

**ROAD METAL/ BLACKSTONE/WHITESTONE/LATERITE/MORRUM / EARTH FOR ROAD CONSTRUCTION / EARTH FOR BRICK MAKING SAIRATS ALREADY LEASED OUT AND EXECUTED**

Sl No	Name of Mineral	Name of Village	Location of Resource(GPS co-ordinates of Khata & Plot No) (Sketch map to be attached)	Length of area leased for mineral concession (in km)	Average width of area leased for mineral concession (in km)	Area leased for mineral concession (in sq m)	Mineable mineral as per approved mining plan(in cum)	Production proposed in the mining plan (cum)			Tahasildar			Royalty (in Rs Lakh) collected as			Any other remarks
								H	I	J	K	L	M	N	O	P	
1								15	16	17	15	16	17	15	16	17	
2	Ubbika-II Stone Quarry	Ubbika	Gochhapada Khata No-121 Plot No-756	0.0081	8093.71	87120	2024	1836	1782	1836	100	100	100	321300.00	311850.00	321300.00	

  
 Tahasildar, Boudh

**ROAD METAL/ BLACKSTONE/WHITESTONE/LATERITE/MORRUM / EARTH FOR ROAD CONSTRUCTION / EARTH FOR BRICK MAKING SAIRATS ALREADY LEASED  
OUT AND EXECUTED**


Sl No	Name of Minor Mineral	Name of village	Location of Resource(GPS co-ordinates of Khata & Plot No) (Sketch map to be attached)	Length of area leased for mineral concession (In km)	Average width of area leased for mineral concession (in Km)	Area leased for mineral concession (in sq m)	Mineable mineral potential as per approved mining plan(in cum)	TAHASIL ( TO BE GIVEN IN RIVER WISE CONCESSION OR LEASE)			Y (R.) Forms issued by the Tahasildar			Royalty (in Rs Lakh) collected as royalty			Any other remarks			
								Production proposed in the mining plan (cum)			15	16	17	15	16	17		15	16	17
								15	16	17										
								15	16	17	15	16	17	15	16	17				
								16	17	18	16	17	18	16	17	18				
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>		<b>H</b>	<b>I</b>	<b>J</b>	<b>K</b>	<b>L</b>	<b>M</b>	<b>N</b>	<b>O</b>	<b>P</b>	<b>Q</b>			
1	Udblika-1 Stone quarry	Udblika	Gochhapada Khata No-121 Plot No-757	0.0089	8903.08	95832	2160	1944	2475	3024	100	100	100	392688.00	4995666	610848.00				

  
 23.9.19  
 Tahasildar, Boudh

**ROAD METAL/ BLACKSTONE/WHITESTONE/LATERITE/MORRUM / EARTH FOR ROAD CONSTRUCTION / EARTH FOR BRICK MAKING SAIRATS ALREADY LEASED  
OUT AND EXECUTED**

TAHASIL ( TO BE GIVEN IN RIVER WISE CONCESSION OR LEASE)

Sl No	Name of Village	Location of Resource/GPS co-ordinates of Khata & Plot No) (Sketch map to be attached)	Length of area leased for mineral concession (in km)	Average width of area leased for mineral concession (in km)	Area leased for mineral concession n (in sq m)	Mineable potential as per approved mining plan (in cum)	Production proposed in the mining plan (cum)				Forms issued by the Tahasildar				Royalty (in Rs. Lakh) collected as			Any other remarks	
							15	16	17	18	15	16	17	18	15	16	17		
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q			
1	Palasoddar																		
2	Palasoddar																		
3	Palasoddar	Beghalpasa, Khata No-1 Plot No-2/C	0.0061	8093.71	87120	-	-	-	-	-	-	-	-	-	-	-	-	-	-

  
 Tahasildar, Boudh


**TAHASIL ( TO BE GIVEN IN RIVER WISE CONCESSION OR LEASE )**  
**ROAD METAL/ BLACKSTONE/WHITESTONE/LATERITE/MORRUM / EARTH FOR ROAD CONSTRUCTION / EARTH FOR BRICK MAKING SAIRATS ALREADY LEASED**  
**OUT AND EXECUTED**

S. No.	Name of Village	Location of resource(GPS co-ordinates of Khata & Plot No.) (Sketch map to be attached)	Length of area leased for mineral concession (in km)	Average width of area leased for mineral concession (in km)	Area leased for mineral concession (in sq m)	Mineable mineral as per approved mining plan (in cum)	Production proposed in the mining plan (cum)			Y (F) Forms issued by the Tahasildar			Royalty (in Rs Lakh) collected as royalty			Any other remarks
							15	16	17	15	16	17	15	16	17	
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Palasapada / Stone Quarry-4															
	Palasapada															
	Beghiapada, Khata No-1 Plot No-1/C		C.0081	8093.71	57120	-	-	-	-	-	-	-	-	-	-	-

  
 23.6.19  
 Tahasildar, Boudh

ROAD METAL/BLACKSTONE/WHITESTONE/LATERITE/MORRUM / EARTH FOR ROAD CONSTRUCTION / EARTH FOR BRICK MAKING SAIRATS ALREADY LEASED OUT AND EXECUTED

S. No.	Name of Manager	Name of Village	Location of Resource(GPS co-ordinates of Krata & Plot No) (Sketch map to be attached)	Length of area leased for mineral concession (in km)	Average width of area leased for mineral concession (in km)	Area leased for mineral concession (in sq m)	Mineable mineral as per approved mining plan (in cum)	TAHASIL ( TO BE GIVEN IN RIVER WISE CONCESSION OR LEASE)									
								Production proposed in the mining plan (cum)									
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	
		Demarpur	Khuntabandi Krata No-161 Plot No-2, 17, 30, 53, 54 57, 70, 91, 20, 6 54, 69, 7, 16, 79 0	-	-	46012.75	-	-	-	-	-	-	-	-	-	-	
							15	16	17	15	16	17	15	16	17		
							16	17	18	16	17	18	16	17	18		

  
 Tahasildar, Boudh

Name of the Tahasil -

OTHER THAN SAND SOURCES

Annexure - B

Sl No	Name of Minerals	Name of Lessee	Address and Contract No. of Lessee	Mining Lease Grant Order No. & Date	Area of Mining Lease (Ha.) with Village, Khata No., plot No & Khasam	Period of mining Lease (Initial)		Period of Mining Lease (1st/2nd-Renewal)		Date of Commencement of mining operation	Status (Working /non-working/for dispatch etc)	Captive /Non-Captive	Obtained environmental Clearance(Yes/No). If yes Letter no with date of EC	Location of Mining Lease (Latitude & Longitude)	Method of Mining (Open Cast/Under Ground)	Geologic Reserve (MT/ Cums)	Mineable Serve (MT/Cums)	Royalty/Revenue Received in last 3 years (In Rupees)				Production of mineral In last 3 years (In Cums)			
						From	To	From	To									2016-17	2017-18	2018-19	2019-20	2016-17	2017-18	2018-19	2019-20
1	Bikrampur (1)-8 Stone	Sri Santanu Kumar Mishra	At-Basudevpalli, P.O.-Manamunda Dist.-Boudh Cont.No. 9437412551	4/2017-18	Hect.-1.027 Vill-Bikrampur Khata No-32 plot No.- 109 Khasam-Patharabani	2017-18	2021-22	Nil	Nil	25.12.18	Working	Captive	Yes.L.No. 7010 dt.28.07.18	Lat.20°44'14.31" N to 20°44'18.45"N Long.83°59'08.41" E to 83°59'12.90"E	Open cast	81655 cum.	43493 cum.	0	0	183816	0	0	0	0	154
2	Bikrampur (1)-A Stone	Sri Santanu Kumar Mishra	At-Basudevpalli, P.O.-Manamunda Dist.-Boudh Cont.No. 9437412551	3/2017-18	Hect.-1.214 Vill-Bikrampur Khata No-32 plot No.- 109 Khasam-Patharabani	2017-18	2021-22	Nil	Nil	24.12.18	Working	Captive	Yes.L.No. 7010 dt.28.07.18	Lat.20°44'12.75" N to 20°44'15.90"N Long.83°59'09.2" E to 83°59'14.95"E	Open cast	112864 cum.	65246 cum.	0	0	186300	0	0	0	350	
3	Dedherma Stone Quarry	Sri Swadhin Kumar Sanu	A/P.O.-Kantamal Dist.-Boudh Cont.No. 9558243505	5/2016-17	Hect.-0.242 Vill-Dedherma Khata No-195 plot No.- 1723 Khasam-Patharabani	2017-18	2021-22	Nil	Nil	05.02.19	Working	Captive		Lat.20°28'33.1" N to 20°28'36.1" N Long.83°42'20.5" E to 83°42'23.4"E	Open cast	32340 cum.	6714 cum.	0	0	13163	0	0	0	400	

  
 Tahasil Dar  
 Kantamal

33

OTHER THAN SAND RESOURCES																	Annexure B		
Sl. No.	Name of the Tahasil	Name of the Lessee	Address and Order No. & Date	Mining Lease Grant	Area of Mining lease (Ha.) with Village, Khata No., plot No & Kism	Period of mining lease (Initial)	Period of Mining Lease (1st / 2nd- Renewal)	Date of Commencement of mining operation	Status of Workin g &/non-workin g for h etc.	Captive /Non-Captive	Obtain ed environ mental Clearance (Yes/No), if Yes Letter no with date of EC	Location of Mining Lease (Latitude & Longitude)	Method of Mining (Open Cast/ Under Ground)	Geological Reserve (MT/Cu m)	Mineral Reserve (MT/Cu m)	Royalty/Revenue Received in last 3 years (in Rupees)	Production of mineral in last 3 Years (in Cums)		
1	Dillip Ku. Pattnaik	Handagar, Murra & Manjupura, Misra	Village: Bira, Dist: Boudh	754/23.03.15	Village: Kharbhun, Khata No.- 193, Plot No.- 1463, Kism- Parbat	2015-16	2015-16	02.04.15	working	Captive	Yes-4132/17.08.15	20° 34'42.3" to 21° 34'48"N 84° 32'55" to 84° 32'58E	open cast	136.990cum	81130 cum	1123215	10905		
2	C/o ARSS Ltd, BB				Village: Kharbhun, Khata No.- 194, Plot No.- 275, Kism- Parbat	2015-16	2015-16	22.03.15	working	Captive	4510 17.8.15					746235	10251		
						2019-20	2019-20									820820	10217		
						2015-16	2015-16									849430			
						2019-20	2019-20									7245			
																6314			
																6534			

Memo No: 2521 / Dated: 13.07.2018  
 Copy to the Deputy Collector, Rev. Collectorate, Boudh w.r.t letter No: 7249, dt: 10.09.19 for information and necessary action.

Tahasildar, Harabhanga  
 Addl. Tahasildar  
 Harabhanga/Chitracharya



YEAR MONTH WISE RAINFALL REPORT ( in mm ) OF BOUDH DISTRICT.

YEAR 2006 - 2019

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept till di07.09.19	Oct	Nov	Dec	Total
2006	0	0	50.67	18	88.33	174.33	425.2	788.3	154.03	11	20.67	0	1730.53
2007	0	0	0	11.33	45	436.31	243.13	207.95	431.93	9	0	0	1384.65
2008	51.33	3	8.67	18.67	0	366.15	306.87	407.33	350.17	17	0.67	0	1529.86
2009	0	0	0	0	0	51.23	641.07	352	155.27	26.87	0	0	1226.44
2010	3	0	0	0	61.33	153.67	273.57	249.23	225.27	74.47	21.07	24.87	1086.48
2011	0	24.2	0	27.53	37.73	116.98	139.07	473.93	444.4	0	0	0	1263.84
2012	0	0	0	0	0	167.13	325.7	468.25	153.33	78.67	25.67	0	1218.75
2013	0	0	0	5	14.34	274.03	266.23	185.03	147.93	277.63	0	0	1170.19
2014	0	0	0	0	125.47	36.47	669.33	458.63	342.97	57.77	0	0	1690.64
2015	0.33	0	0.71	74	22.83	287.83	267.33	274.53	152.57	1.1	0	17.37	1098.6
2016	0	1.33	20	0	16.13	147.87	202.6	368.06	337.43	70.73	0	0	1164.15
2017	0	0	3.73	0	1.33	322.63	282	192.03	202.23	152.87	16	0	1172.82
2018	0	0	0	29.63	57.33	156.1	507.87	359.13	300.4	137.33	2	72.13	1621.92
2019	2.33	23.43	34.8	34.4	26.43	164.5	294.13	519.83	175.5	NA	NA	NA	1235.18

Answer - C

122

Annexure - D

**INFORMATION OF BOUDH IRRIGATION DIVISION, BOUDH  
Drainage system with description of Main Rivers**

Sl No	Name of river	Drained Area / catchment Area (Sq. Kms)	% of Area drained in the District
	2	3	4
1	Salki River	209.17/ 1767.192	6.07%
2	Bagh River	108.74/ 1106.00	3.15%

**Sailent features of Important Rivers and stream**

Sl No	Name of river of stream	Area Drained/ Catchment Area (Sq. Km)	% of Area drained in the District	Total length in the District ( in Km)	Place of Origin	Atitude of Origin
1	Salki River	209.17/ 1767.192	6.07%	83	Baliguda	Lat. 20.858909/ Lng.84.243078
2	Bagh River	108.74/ 1106.00	3.15%	78	Eastern Ghat	Lat. 18.502396/ Lng.83.000386

**Annual Deposition**

Name of River	Period	Deposition in CM
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