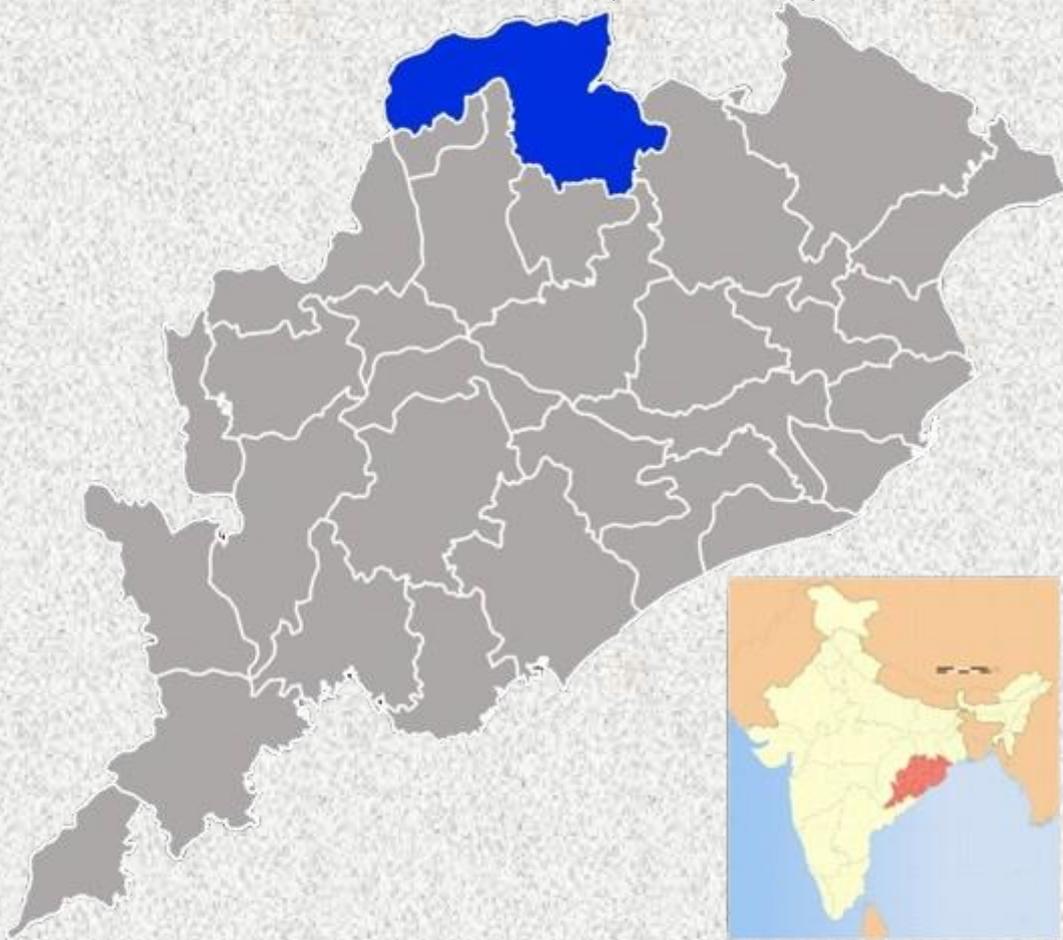




DISTRICT SURVEY REPORT (DSR) OF SUNDARGARH DISTRICT, ODISHA ON RIVER SAND MINING

As per Notification No. S.O. 141(E), 15th January, 2016 & S.O. 3611(E),
25th July, 2018, New Delhi, MINISTRY OF ENVIRONMENT, FOREST &
CLIMATE CHANGE (MoEF & CC)



**COLLECTORATE, SUNDARGARH
JANUARY-2025**

CONTENTS		
Point No.	DESCRIPTION	Page No.
	PREFACE	00-01
01	INTRODUCTION	02-03
02	OVERVIEW OF MINING ACTIVITY IN THE DISTRICT.	04-07
03	LIST OF MINING LEASE IN THE DISTRICT WITH LOCATION, AREA AND PERIOD OF VALIDITY.	08-24
04	DETAILS OF ROYALTY OR REVENUE RECEIVED IN LAST THREE YEARS	25-26
05	DETAILS OF PRODUCTION OF SAND IN LAST THREE YEARS	27-28
06	PROCESS OF DEPOSITION OF SEDIMENTS IN THE RIVERS OF THE DISTRICT	29-36
07	GENERAL PROFILE OF THE DISTRICT.	37-39
08	LAND UTILIZATION PATTERN IN THE DISTRICT: FOREST, AGRICULTURE, HORTICULTURE, MINING ETC.	40-42
09	PHYSIOGRAPHY OF THE DISTRICT	43-46
10	RAINFALL: MONTH-WISE	47-48
11	GEOLOGY AND MINERAL WEALTH	49-61

LIST OF ANNEXURE

SL NO.	DESCRIPTION	PAGE NO.
01	ANNEXURE-I DETAILS OF SAND/M-SAND SOURCES	62-63
02	ANNEXURE-II LIST OF POTENTIAL MINING LEASES (EXISTING & PROPOSED)	64-76
03	ANNEXURE-III CLUSTER & CONTIGUOUS CLUSTER DETAILS	77
04	ANNEXURE-IV TRANSPORTATION ROUTES FOR INDIVIDUAL LEASES AND LEASES IN CLUSTER	78-95
05	ANNEXURE-V FINAL LIST OF POTENTIAL MINING LEASES (EXISTING & PROPOSED)	96-108
06	ANNEXURE-VI FINAL LIST OF CLUSTER & CONTIGUOUS CLUSTER	109
07	ANNEXURE-VII FINAL TRANSPORTATION ROUTES FOR INDIVIDUAL LEASES AND LEASES IN CLUSTER	110-127

LIST OF TABLES

SL NO.	DESCRIPTION	PAGE NO.
01	OVERVIEW OF MINING ACTIVITY IN THE DISTRICT	4-7
02	THE LIST OF MINING LEASES IN THE DISTRICT WITH LOCATION, AREA & PERIOD OF VALIDITY.	8-24
03	DETAILS OF ROYALTY OR REVENUE RECEIVED IN LAST THREE YEARS.	25-26
04	DETAIL OF PRODUCTION OF SAND IN LAST THREE YEARS	27-28
05	REPLENISHED VOLUME	30-36
06	LAND UTILIZATION PATTERN IN THE DISTRICT	40-42
07	RAINFALL DATA	47
08	SALIENT FEATURES OF IMPORTANT RIVERS & STREAMS	52-61

LIST OF MAPS

SL NO.	DESCRIPTION	PAGE NO.
01	INDEX MAP OF THE DISTRICT	03
02	MAP SHOWING TEHSILS OF THE DISTRICT	39
03	GEOMORPHOLOGICAL MAP	46
04	GEOLOGY MAP	51
05	MINING LEASES MARKED ON THE MAP DISTRICT OF ODISHA (TOPO-MAP & SATELLITE-MAP)	128-129

PREFACE

The Erstwhile Ministry of Environment and Forests (MoEF), (the Government of India, made Environmental Clearance (EC) for mining of minerals mandatory through its Notification of 27th January, 1994 under the provisions of Environment Protection Act, 1986. Keeping in view the experience gained in environmental clearance process over a period of one decade, the Ministry came out with Environmental Impact Notification, SO 1533 (E), dated 14th September 2006. The Ministry of Environment, Forests & Climate Change (MoEF&CC), Government of India had amended the said vide notification S.O. 141(E) Dated 15th January, 2016. Now again Ministry of Environment, Forests & Climate Change (MoEF & CC), Government of India amended the notification S.O. 141(E) Dated 15th January, 2016 vide S.O. 3611(E) Dated 25th July, 2018. It has been made mandatory to obtain environmental clearance for different kinds of development projects as listed in Appendix-X of the Notification. In compliance to the notification issued by the Ministry of Environment and Forest and Climate Change Notification no. S.O.3611 (E) NEW DELHI dated 25-07-2018 the preparation of district survey report of sand mining has been prepared in accordance with Clause II of Appendix X of the notification. Every effort has been made to cover river sand mining locations, future potential areas and overview of sand mining activities in the district with all its relevant features pertaining to geology and mineral wealth. This report will act as a compendium of available mineral resources, geological set up, environmental and ecological set up of the district and based on data of various departments like Revenue, Water Resources, Forest, Geology and Mining in the district as well as statistical data uploaded by various state Government departments for preparation for district survey report. The main purpose of preparation of District Survey Report is to identify the mineral resources and developing the mining activities along with other relevant data of the district.

OBJECTIVES

The main objective of the preparation of District Survey Report is to ensure the following –

- Identification of mineral wealth in the district.
- Identification of areas of Minor Mineral having the potential mineral where mining can be allowed.
- Identification of areas of proximity to infrastructural structures and installations where mining should be prohibited.

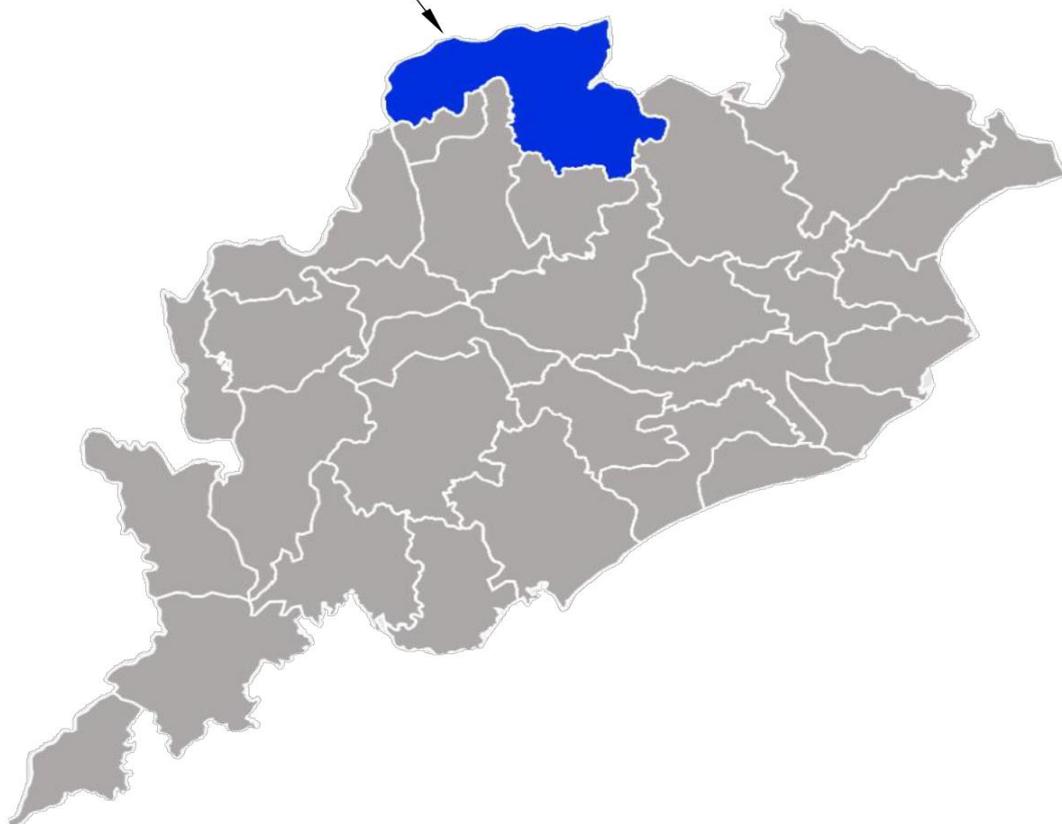
01. INTRODUCTION.

Sundargarh district forms the North western part of Odisha state. Sundargarh town is the district headquarter. Geographically, the district is not a compact unit and consists of widely dissimilar tracts of expansive and fairly open, dotted with tree, clad isolated peaks, vast inaccessible forests, extensive river valleys and mountainous terrain. Broadly speaking, it is an undulating tableland of different elevations broken up by rugged hill ranges and cut up by torrential hill streams and the rivers IB and Brahmani. The general slope of the District is from north to south. Because of this undulating, hilly and sloping nature of landscape, the area is subjected to rapid runoff leading not only to soil erosion but also to scarcity of water for both agriculture and drinking purposes. Brahmani, Sankh, Koel and IB are the major rivers flowing through this District. Covering a geographical area of 9712 sq.kms, Sundargarh District is the second largest District of the state, accounting for 6.23 percent of its total area. Out of this total area, forests cover 4232.57 sq km, this being the second largest in the state, accounting for 8.53 percent of the state total. Sundargarh is the southernmost district of Orissa.

Sundargarh is recognized as an industrial district in the map of Odisha. Steel Plant, Fertilizer Plant, Cement factory, Ferro Vanadium Plant, Machine building factory, Glass and china clay factory and Spinning mills are some of the major industries of this District. Sundargarh occupies a prominent position in the mineral map of Odisha and is rich in iron ore, limestone, manganese, dolomite, and fire clay. Major industries are the Odisha Cements Ltd, Hart Fertilizers Ltd, and Odisha Industries Ltd. The industrial town of Rourkela in this District has the first government sector plant built with foreign collaboration and was the first in India to use LD oxygen technology.

Still, more than 50 percent of the people earn their livelihoods from agriculture and allied sectors. Sundargarh District is coming under the

North Western Plateau Zone as per the agro climatic zone of Odisha. Soil group of the Sundargarh district is mixture of red and yellow soil. Out of the 3,13,000 hectares of cultivated land, 52 percent is upland, 30 percent is medium land and 18 percent is low land. As paddy is the main crop, 75 percent of the land is covered with paddy during Kharif. Due to limited irrigation facilities, 24 percent land is irrigated during Kharif and 8 percent of land is irrigated during Rabi.



02. OVERVIEW OF MINING ACTIVITY IN THE DISTRICT.

Other than ordinary stone & Sand a great variety of major mineral potential like Coal, Iron Ore, Manganese, Bauxite, Limestone and Specified Minor Minerals like Dolomite, Quartz, Pyroxenite & Decorative Stone (Granite) are available in the district.

As there are a major number of mines present within the district so there are two Deputy Director Mines Circles within the district i.e. DDM Koira & DDM Rourkela

The over view mining data provided by DDM Rourkela is as follows;

SI No.	List of Mines	Different of Minerals with area	Name of the lessee	Period of validity	Remarks	
1	Basundhara	Coal	214.300	M/s M.C.Ltd	--	Working
2	Kulda	Coal	854.320	M/s M.C.Ltd	--	Working
3	Garjanbahal	Coal	653.828	M/s M.C.Ltd	--	Working
4	Dulinga	Coal	762.420	NTPC	--	Working
5	Manoharpur	Coal	652.8853	OCPL	08.05.2047	Working
6	Khatkurbahal & Falsakani	Limestone & Dolomite	156.430	M/s Shiva Cement Ltd.	14.11.2072	Working
7	Dharuara-Kukuda	Limestone & Dolomite	39.42	Sri R.A.Jalan	20.02.2024	Working
8	Biramitrapur	Limestone & Dolomite	793.043	BSL Co. Ltd	31.03.2040	Working
9	Lanjiberna	Limestone & Dolomite	873.057	M/s DCBL Ltd. (OCL)	29.02.2040	Working
10	Khatkurbahal & Falsakani	Limestone & Dolomite	72.439	M/s Shiva Cement Ltd.	14.01.2042	Working
13	Timna	Decorative Stone	11.93	M/s ARC Resources	08.01.2048	Working
16	Banarai	Dolomite	9.324	G.C.Rout	02.09.2052	Working

The over view mining data provided by DDM Koira is as follows;

Information on Mining Leases with Lease Validity under Koira Mining Circle					
SI No	List of Mines	Mineral with Area (in ha.)		Name of the Lessee	Lease Validity
		Minerals	Area (ha)		
1	2	3	4	5	6
ML Case					
1	Bandhal Mn Mines	Mn	28.0207	Kanakdhara Mining & Minerals (P) Ltd.	13.03.2022
2	Nuagaon Iron & Mn Mines	Iron & Mn	29.257	Prabodh Mohanty	10.05.2019
3	Jamirdihi	Pyroxenite, Quartz, Quartzite, Dunite etc.	50.646	Indian Marble Company	03.07.2023
4	Bhanjapali Iron Mines	Iron Ore	18.00	J N Patnaik	31.03.2027
5	Patabeda Iron Mines	Iron Ore	14.00	M/s M G Mohanty	07.03.2026
6	Patabeda Iron Mines	Iron Ore	28.397	MGM Minerals Ltd.	07.03.2026
7	Bhanjapali Mn Mines	Mn Ore	65.710	R S Sindhu	10.01.2067
8	Oraghat	Mn Ore	11.485	S A Halim	23.09.2027
9	Adaghat	Iron Ore	15.074	National Enterprises	11.01.2067
10	Kadalia, Sanrusibenua, Basada in Sundargarh District; & Pirapokhari & Handibhanga in Keonjhar District	Iron Ore	874.290	Nilachal Ispat Nigam Limited	10.01.2067
11	Gonua & Mandajoda	Iron & Mn	12.080	B C Dagara	02.05.2025
12	Dalita	Iron & Mn	22.165	B C Dagara	07.09.2023
1st RML Case					
13	Koira	Iron	90.143	Essel Mining & Industries Ltd.	26.08.2021
14	Sanindpur	Iron/Buxt.	147.1	Rungta Sons (P) Ltd.	05.09.2035
15	Raikela	Iron	207.113	Jindal Steel & Power Ltd.	24.05.2035

16	Tantra	Iron	72.56	Korp Resources (P) Ltd.	21.11.2035
17	Patabeda	Iron/Mn	19.425	M/s M.G. Mohanty	02.04.2036
18	Raikela & Tantra	Iron	49.372	PTA Ltd.	02.12.2036
19	Oraghat	Iron	82.961	Rungta Sons (P) Ltd.	09.12.2032
20	Raikela	Iron	18.315	S.N. Mohanty	02.04.2032
21	Gonua	Iron/Mn	13.796	S.N. Mohanty	05.06.2020
22	KJST (Jaldihi)	Iron/Mn/Buxt.	188.268	S.N. Mohanty	19.01.2037
23	Toda RF	Iron	77.94	SAIL	28.04.2030
24	Kusumdihi	Mn/Bux.	52.176	B.I.Co. Ltd.	31.03.2020
25	Kamanda	Bauxite	43.067	Rungta Sons (P) Ltd.	25.02.2035
26	Sarkunda	Iron/Mn	393.556	Feegrade & Co. (P) Ltd.	31.03.2020
27	Raikela	Iron	67.586	Geetarani Mohanty	01.07.2041
28	Rantha	Iron	408.8731	OMC Ltd.	30.12.1998
29	Kashira	Iron	418.355	OMC Ltd.	12.10.2026
30	Kanther Koira	Iron/Mn.	13.270	B.S.Mishra	19.09.2002
31	Raikela	Iron Ore	69.606	C.P. Sharma	16.04.2006
32	Kulijhar	Quartzite	24.167	JK & KP Jhunjunwala	07.07.2001
33	Gonua	Iron/Mn	12.56	K.C. Pradhan	14.03.2011
34	Nuagaon	Mn	39.89	K.C. Pradhan	18.10.2004
35	Jaldihi & Tantigram	Iron/Mn/Bux.	29.575	K.J.S. Ahluwalia	23.07.2011
36	Gonua	Iron/Mn	23.30	K.J.S. Ahluwalia	15.07.2008
37	Kusumdihi	Mn	47.486	Kavita Agarwal	27.03.2004
38	Raikela	Iron	45.932	National Enterprises	20.12.2033
39	Bhanjapali & Koira	Iron	141.235	OMC Ltd.	06.05.2012
40	Kusumdihi	Bauxite	102.79	ORIND	31.07.1997
41	Tantra, Bandhal & Rengua	Buxt./Iron/Mn	106.128	P.D. Agarawal	07.07.2011
42	Raikela	Iron	14.933	S.D. Sharma	20.01.2012
43	Nuagaon	Iron/Mn	12.942	S.D. Sharma	06.05.2005
44	Toda RF	Iron	3.34	SAIL	17.01.2004
45	Tantra	Bauxite	117.44	SAIL	17.08.1989
46	Patmunda	Mn	81.197	Sun Alloys & Minerals (P) Ltd.	11.02.2006
47	Teherai-Sonua	Iron/Mn	29.076	Tarini Meinerals	25.12.2000
48	Nuagaon	Mn	7.85	Tarini Menerals	25.02.2000
49	Kamanda	Mn	60.7	U.C. Mishra	07.08.2008
50	Gonua	Iron/Mn	129.179	Zenith Mining (P) Ltd.	22.10.2001
51	Bhaludunguri	Soap Stone	155.43	Shiv Dutt Sharma	02.12.2004
52	Sanindpur	Iron/ Mn	70.917	National Enterprises	09.09.2020
53	Oraghat	Iron /Mn	25.847	S A Halim	08.04.2018

<u>2nd RML Case</u>					
54	Kurmitar Pahar	Iron	651	OMC Ltd.	28.04.2035
55	Barsuan	Iron	2486.382	SAIL	05.01.2030
56	Kalta	Iron		SAIL	
57	Taldihi	Iron		SAIL	
58	Bhaludunguri	Soap Stone	110.479	J.C. Budharaj	21.03.1993
59	Gonua	Iron/Mn	83.151	M.G. Mohanty	29.11.1991
60	Gonua	Iron/Mn	86.886	P.K. Ahluwalia	31.03.2020
61	Toda RF	Iron	25.981	SAIL	16.01.2025
<u>3rd & 4th RML Case</u>					
62	Narayanposhi	Iron/Mn	399.838	A.M.T.C. Ltd.	31.03.2020
63	Mahulsukha	Mn	349.839	A.M.T.C. Ltd.	31.03.2020
64	Nadidihi	Iron/Mn	73.855	B.I.Co. Ltd.	31.03.2020
65	Teherai	Iron/Mn	137.46	B.I.Co. Ltd.	31.03.2020
66	Nadidihi	Iron/Mn	121.405	Feegrade & Co. (P) Ltd.	31.03.2020
67	Kolmong	Mn	218.53	Rungta Mines Ltd.	31.03.2020
68	Kanther-Koira	Mn	73.653	Rungta Mines Ltd.	31.03.2020
69	Khajurdihi (C-Block) Mandajoda (A-Block) & Dalita (B-Block)	Iron/Mn	Block-A: 55.605 Block-B: 32.375 Block-C: 31.566	Matadin Sharda	30.08.1987
70	Kusumdihi	Mn	31.549	O.M. & M Ltd.	31.03.2020
71	Sanpatholi	Mn	23.29	O.M. & M Ltd.	31.12.1999
72	Orahuri	Mn	51.476	O.M. & M Ltd.	31.03.2020
73	Patmunda	Mn	807.316	O.M. & M Ltd.	31.03.2020
74	Tentulidihi & Dengula	Mn	35.61	O.M. & M Ltd.	31.12.1999
75	Bhanjikusum	Mn	8.498	O.M. & M Ltd.	31.03.2020
76	Malda	Mn	822.00	Tata Steel Ltd.	(RML applied up to 12.08.2030)
77	Sarkunda	Mn	160.90	EMI Ltd.	03.12.2002

03. LIST OF MINING LEASES IN THE DISTRICT WITH LOCATION, AREA & PERIOD OF VALIDITY

SL. NO.	NAME OF RIVER /STREAM	NAME OF THE MINERAL	NAME OF THE LESSEE	ADDRESS & CONTACT NO. OF LESSEE	MINING LEASE GRANT ORDER NO. & DATE	AREA OF MINING LEASE (IN HC)	PERIOD OF MINING LEASE		DATE OF COMMENCEMENT OF MINING OPERATION	STATUS (WORKING / NON WORKING / TEMP. WORKING FOR DESPATCH ETC.)	OBTAINED ENVIRONMENTAL CLEARANCE (Y/N) IF Y LETTER NO. WITH DATE OF GRANT OF E.C	LOCATION OF THE MINING LEASE LAND SCHEDULE AND (LATITUDE & LONGITUDE)
							(INITIAL)					
							FROM	TO				
1	1.1	2	3	4	5	6	7	8	11	12	14	15
NAME OF THE TAHASIL:- SADAR SUNDARGARH												
A1	IB	NUA-AMLIPALI SAND BED-II	MUKSH PATEL	S/O KAMALESWAR PATEL AT- TALSANKARA PO- SUNDARGARH PO-TOWN DIST- SUNDARGARH		4.856 HA	10-03-2021	09-03-2026	29-11-2021	WORKING	9853/SEIAA; 01.12.2020	MOUZA- NUA-AMLIPALI, KHATA NO.- 381, PLOT NO-397/P, KISAM- RIVER LATITUDE OF 22°07'30.39"N TO 22°07'38.88"N AND LONGITUDE OF 84°00'56.88"E TO 84°01'10.41"E.
A2	IB	CHITABHANGA SAND				4.087 HA				NON-WORKING		MOUZA- CHITABHANGA KHATA NO.- 474, PLOT NO-2413/P, KISAM- RIVER LATTITUDE- 22°05'38.30" TO 22°05'47.60" LONGITUDE- 84°00'47.70" TO 84°00'50.70"
A3	IB	LANKAHUDA SAND	RAJIB LOCHAN PATEL	AT/PO- BHEDABAHAL, SUNDARGARH, CONTACT NO.- 7328838453		1.983 HA	13.01.2023	12.01.2028	13.01.2023	WORKING	9596/SEIAA; 04.11.2021	MOUZA- LANKAHUDA, KHATA NO.- 150, PLOT NO- 1/P, KISAM- RIVER LATTITUDE- 22° 02'37.59"N TO 22° 02' 43.84"N LONGITUDE- 83°59'32.59"E TO 83°59'37.15"E "
A4	IB	BHASMA SAND	ANSHUL PATEL	AT- OLD CINEMA HALL ROAD, PO- RANGADHIPA, PS- TOWN, SUNDARGARH CONTACT NUMBER- 9437152548		3.763 HA	9.4.2021	8.4.2026	08.04.2021	WORKING	9598/SEIAA 04.11.2020	MOUZA- BHASMA, KHATA NO.- 133, PLOT NO-1/ 1384/P, KISAM- RIVER LATTITUDE- 21° 57'38.12"N TO 21° 57' 46.81"N LONGITUDE- 84°01'51.51"E TO 84°01'59.85"E

A5	IB	KAINSARA SAND-I	ANSHUL PATEL	AT- OLD CINEMA HALL ROAD, PO-RANGADHIPA, PS- TOWN, SUNDARGARH CONTACT NUMBER- 9437152548		4.856 HA	30.01.2023	29.01.2028	30.01.2023	WORKING	9594/SEIAA; 04.11.2020	MOUZA- KAINARA, KHATA NO.- 86, PLOT NO- 96/1146/P, 6.00AC KISAM- RIVER, MOUZA- DEULI, KHATA NO.- 257, PLOT NO- 2668/P,6.00AC KISAM- RIVER, LATITUDE OF 21°58'30.42"N TO 21°58'34.22"N AND LONGITUDE OF 84°02'31.39"E TO 84°02'46.81"E
NAME OF THE TAHASIL:- TANGARPALI												
C1	IB RIVER	BILAIGARH SAND BED				4.856				NON-WORKING		BILAIGARH , KHATA NO. 217, PLOT NO. 1240/1 KISAM- NADI, LAT- 221°56'29.85" TO 21°56'39.72"N, LON- 84°00'52.27" TO 84°01'05.19"E
C2	IB RIVER	KURGA JHARBERNI SAND BED				4.046				NON-WORKING		KHATA NO-201,PLOT NO-1545/P.AREA-4.046,KISSAM-NADI, LAT-22°04'55.32" TO 22°05'07.17", LONG-83°59'39.51" TO 83°59'48.39"
C3	IB RIVER	LEMLEMA SAND BED				4.686				NON-WORKING		LEMLEMA, KHATA NO. 186 PLOT NO. 132/1645/P, KISAM NADI, 22°07'51.09" TO 22°07'56.09" & 84°01'32.65" TO 84°01'39.62"
C4	IB RIVER	ERGAPITA SAND BED	RADHAKANTA PRADHAN	AT- KHALIAKANI PO- BRAJARAJNAGAR DIST:- JHARSUGUDA	1045 DATE 04.08.2021	4.67	01.12.2023	30.12.2028	01.11.2023	WORKING	SIA/OR/MIN/3044 51/2023, 02.11.2023	ERGAPITA, KHATA NO. 34 PLOT NO. 220/P KISAM NADI, LAT- 21 59' 02.52" N, LON- 84 00' 40.09" E, 84°0'38.82" TO 84°0'45.37" & 21°59'4.80" TO 21°59'16.66"
C5	IB RIVER	NADISUGUDA SAND BED				4.795				NON-WORKING		NADISUGUDA, KHATA NO. 113 PLOT NO. 338/1350 KISAM NADI, LAT- 22°0'40.90" TO 22°0'50.25" N, LON- 83°59'29.31" TO 83°59'36.98 E
C6	IB RIVER	DALDALI SAND BED	JANAKRAM PATEL	VILL-DALDALI, SUNDARGARH	1463 DT 28.08.2020	3.828	16.03.2021	15.03.2025	04.03.2021	WORKING	420/SEIAA DT08.02.2021	DALDALI, KHATA NO. 158 PLOT NO. 1495/1652/P & 1297/1695/P KISAM- NADI, LAT- 21°55'9.90" TO 21°55'17.60" LON- 83°59'42.50" TO 83°59'54.40"

C7	IB RIVER	ABANKELA SAND BED				4.694 HA					NON-WORKING		ABANKELA, KHATA NO. 175 PLOT NO. 996/1501 KISSAM NADI, LAT-21°57'19.29" TO 21°57'29.23" N, LON-84°01'35.57" TO 83°01'44.63"E
C8	IB RIVER	LEMLEMA TANGARBHADI SAND BED	NIRLIPTA KUMAR BEHURA	S/O NATABAR BEHURA, VILLAGE: PATRAPADA, PS-TOWN DIST-SUNDARGARH		4.73	04.03.2021	03.03.2026	04.03.2021		WORKING	328/SEIAA, 05.02.2021	LEMLEMA, KHATA NO. 186 PLOT NO. 1154/1642/P, KISSAM NADI, 84°3'27.48" TO 84°3'39.73" & 22°8'43.55" TO 22°8'54.41"
C9	IB RIVER	KIRIPSIRA SAND				4.856					NON-WORKING		KIRIPSIRA, KHATA NO- 108, PLOT NO- 478/P, KISSAM-NADI, LAT-22°02'40.77" TO 22°02'52.61" , LONG-83°59'15.99" TO 83°59'26.21"
C10	IB RIVER	REMENDA SAND BED				4.73					NON-WORKING	330/SEIAA DT05.02.2021	REMENDA, KHATA NO- 184, PLOT NO- 287/1819, KISSAM-NADI
NEW SOURCE													
C11	IB RIVER	REMENDA SAND BED-A				4.046							REMENDA, KHATA NO- 184, PLOT NO- 1807/P, KISSAM-NADI, LAT-, LONG-
NAME OF THE TAHASIL:- LATHIKATA													
D1	BRAHMANI	ATTAGHAT SANDBED	SUDHIR KU. HARICHANDAN			4.856	15-03-2022	14-03-2027	15-03-2022		WORKING	9994/SEIAA 14/12/2020	AT:- ATTGHAT, KHATA NO-61, PLOT NO-484/566, KISSAM-NADI, LATITUDE- 22°08'43.64" TO 22°08'55.98" AND LONGITUDES OF 84°51'18.78" TO 84°51'28.12"
D2	BRAHMANI	KANSAR SANDBED	AMIT KUMAR SAHOO	KADOBHAL,PS-RAIBOGA,DIST-SUNDARGARH,O DISHA,PIN-770033		4.856	22-02-2021	21-02-2026	25-01-2021		WORKING	9987/SEIAA 14/12/2020	AT:- KANSAR, KHATA NO-94, PLOT NO-211/P, KISSAM-NADI, LATITUDE OF 22°09'20.35"N TO 22°09'35.20"N AND LONGITUDE OF 84°50'46.05"E TO 84°51'13.48"E.
D3	SANKH RIVER	BHALUPATRA SAND BED				4.45					NON-WORKING		AT:- BRAHMANITARANG, KHATA NO-46, PLOT NO-1/1 & 1/2, KISSAM- NADI, 22° 15' 02.56"N TO 22° 15' 11.73"N AND LONGITUDES OF 84°43' 04.95'E TO 84°43' 28.99'E.

D4	SANKH	BELDIHI SANDBED-II	SUNIL BARA	TUNGRI TOLA, LUNGEI, VEDVYAS, PS-BRAHAMANITAR ANG, DIST-SUNDARGARH		4.046					NON-WORKING		AT:- BELDIHI, KHATA NO-146, PLOT NO- 1/P, NADI- KISSAM, 22° 15' 03.2''N TO 22° 15' 09.8''N AND LONGITUDES OF 84°46' 32.9''E TO 84°46' 42.6''E.
D5	SANKH	LUNGEI SANDBED	SURESH JAISWAL			4.04					NON-WORKING	SIA/OR/MIN/2989 79/2023, 28.04.2023	AT:- KALUNGA, KHATA NO-80, PLOT NO- 1/P, KISSAM- NADI, 22° 14' 51.78''N TO 22°14' 57.71''N AND LONGITUDES OF 84°46' 05.26''E TO 84°46' 23.12''E.
D6	BRAHMANI RIVER	BALANI SAND BED				4.85					NON-WORKING		AT:- LATHIKATA, KHATA NO-127, PLOT NO- 1161/1, KISSAM- NADI, 22° 05' 28.58''N TO 22° 05' 36.14''N AND LONGITUDES OF 84°52' 18.80''E TO 84°52' 32.14''E.
D7	BRAHMANI RIVER	TAINSER SAND BED	DEBIDUTT A MOHANTY	PO-CHANDURA, PS-JAGATSINGHPUR, DIST-JAGATSINGHPUR, PIN-754103, ODISHA		4.047	20-10-2022	19-10-2027	03-11-2022		WORKING	NA	AT:- TAINSER, KHATA NO-229, PLOT NO- 463/P, KISSAM-NADI, LATITUDES OF 22°05'51.79''N TO 22°05'59.36''N AND LONGITUDE OF 84°51'09.74''E TO 84°51'20.04''E
NAME OF THE TAHASIL:- LAHUNIPARA													
E1	BRAHMANIN ADI "KHA"	TUMKELA SAND BED				4.92					NON-WORKING		KHATA NO-01, PLOT NO-31/P, KISSAM-NADI, LATITUDE- 21° 49' 44.83'' N TO 21° 49' 54.89'' N AND LONGITUDE- 84° 56' 00.07'' E TO 84° 56' 11.30'' E
E2	BRAHMANIN ADI "KHA"	KENAPALI SAND BED	MRS. RAJASHREE BEHERA	AT-PANISALIA PO/PS-JGATSINGHPUR DIST-JAGATSINGHPUR	CONSENT ORDER NO. 45/2020-21 (WPC & APC) DT. 01.03.2021 OF SPCB, ROURKELA	5	11.02.2021	10.02.2026	10.03.2021		WORKING	Y, 9758/SEIAA DT.25.11.2020	KHATA NO-1 PLOT NO-41/P KISSAM-NADI AREA-AC. 12.35 LATITUDE-21°50'32.04'' N TO 21°50'41.18'' N LONGITUDE- 84°56'46.00'' E TO 84°56'54.49'' E

E3	BRAHMANI NADI "KHA	LUTHURBA SAND BED	KUSHA APAT	KAPILESWAR MINING AND MINERALS PVT LTD , AT/PO-GUALI DIST-KEONJHAR	317 DT. 11.02.20 21	5	22-01-2021	21-01-2026	15-04-2021	WORKING	Y, 9756/SEIAA DT.25.11.2020	KHATA NO-1 PLOT NO-12/P,10/P,11/P,09/P KISAM-NADI AREA-AC. 12.35 LATITUDE-21°50'19.31" N TO 21°50'28.41" N LONGITUDE- 84°53'42.95" E TO 84°53'54.25" E
E4	BRAHMANI NADI "KHA"	DIGI SAND BED				4.997				NOT WORKING		KHATA NO-1 PLOT NO-92/P KISAM-NADI AREA-AC. 12.35 LATITUDE-21°46'43.5" N TO 21°46'53.4" N LONGITUDE- 84°58'39.5" E TO 84°58'49.7" E
NEW SOURCE												
E5	BRAHMANI NADI	BIRTOLA SAND BED-A				4.997						BRAHMANINADI "KHA"KHATA NO-1 PLOT NO-29/P & 30/P, KISAM-NADI, LAT- , LONG-
E6	BRAHMANI NADI	POIGAON SAND BED-A				4.29						KHATA NO-01, PLOT NO-76/P,77/P KISAM- NADI, AREA IN AC-10.60
E7	BRAHMANI NADI	SUARPALI SAND BED-A				5.06						KHATA NO-01, PLOT NO-83/P,84/P KISAM- NADI, AREA IN AC-12.50
E8	BRAHMANI NADI	LADAM SAND BED-A				5						KHATA NO-01, PLOT NO-44/P,46/P KISAM- NADI, AREA IN AC-12.35
NAME OF THE TAHASIL:- GURUNDIA												
F1	BRAHMANI RIVER	KUCHEITA SAND BED				4.99H A				NON WORKING		MOUZA- KUCHEITA, KHATA NO. 78 (A.A.A.), PLOT NO. 121/799/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.)
F2	BRAHMANI RIVER	NARENDRA SAND BED- 2				8.012				NON WORKING	NO	MOUZA- BRAHMANI NADI"KHA", KHATA NO. 1(A.A.A.), PLOT NO. 18/P, KISAM- NADI, AREA- AC.19.80DEC. 21°49'34.62"N TO 21°49'49.37"N AND LONGITUDE OF 84°54'39.82"E TO 84°54'46.46"E.

F3	BRAHMANI RIVER	BARTENGDA SAND BED	KUSHA APAT	"KAPILESWAR MINING & MINERALS PVT. LTD., THROUGH MANAGING DIRECTOR KUSHAAPAT,AT/PO- GUALI, DIST.- KEONJHAR, ODISHA. "		4.997 HA	22-01-2021	21-01-2026	880/CTO-1303 07-04-2021	WORKING	10145/SEIAA 16.12.2020	MOUZA- BRAHMANI NADI "GA", KHATA NO. 1, PLOT NO. 14/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 21°53'12.98" TO 21°53'02.51 AND LONGITUDE OF 84°51'15.67" TO 84°51'07.61"
F4	BRAHMANI RIVER	RANIAMRABATI PUR SAND BED				4.998 HA				NON WORKING		MOUZA- BRAHMANI NADI "GA", KHATA NO. 1, PLOT NO. 11/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 21°53'18.43"N TO 21° 53'27.69"N AND LONGITUDE OF 84°51'01.02"E TO 84°51'07.09"E
F5	BRAHMANI RIVER	CHHIDI SAND BED	SUDHIR KUMAR HARICHANDAN	AT-E4/10, CIVIL TOWNSHIP, ROURKELA, PS-RAGHUNATHPALI, DIST.- SUNDARGARH, ODISHA.		5	13-01-2021	12-01-2026	07-04-2021	WORKING	SIA/OR/MIN/3064 56/2023 05-01-2021	MOUZA- CHHIDI, KHATA NO. 49, PLOT NO. 456/486/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 22°03'48.94"N TO 22° 03' 57.12"N AND LONGITUDE OF 84°53'02.28"E TO 84°53'11.53"E
F6	BRAHMANI RIVER	PITAGAON SAND BED	SUSAMA SWAIN	AT- SINGH TOLA, ROURKELA- 4, PS-RAGHUNATHPALI, DIST.- SUNDARGARH, ODISHA.		4.99H A	24-12-2021	23-12-2026	28-02-2022	WORKING	SIA/OR/MIN/4590 93/2024 24-12-2021	MOUZA- BRAHMANI NADI "KA", KHATA NO. 1, PLOT NO. 5/P, 6/P, KISAM- NADI, AREA- AC.4.35DEC. & AC.8.00DEC., TOTAL= AC.12.35DEC.(5.00HA.), LATITUDE OF 22°01'45.42"N TO 22°02'09.10"N AND LONGITUDE OF 84°52'27.98"E TO 84°52'35.46"E
NAME OF THE TAHASIL:-BIRAMITRAPUR												
G1	DEO RIVER	TETERKELA SAND BED	BIRANCHI SINGH	VILL-PASARA,PS-BIRAMITRAPUR,DI ST- SUNDARGARH,PI N-769003		4.662	21-07-2022	20-07-2027	04-07-2023	WORKING	255419/228- MINB2/02-2022 03-06-2022	KHATA NO.84, PLOT NO.526/527/1, LATITUDES OF 22°17'38.29"N TO 22°17'47.72"N AND LONGITUDE OF 84°58'41.64"E TO 84°58'54.05"E

G2	DEO RIVER	GOPPUR SAND BED	SRI PRAFULLA KUMAR MOHATA	VILLAGE, TETERKELA,P.S.BIS RA, SUNDARGARH,O DISHA		4.653	11.02.2021	10.02.2026	12.02.2021	WORKING	9792/SEIAA 26-11-2020	KHATA NO-102, PLOT NO-638/1, LATITUDE OF 22°22'28.96"N TO 22°22'55.49"N AND LONGITUDE OF 84°54'59.03"E TO 84°55'05.83"E
G3	DEO RIVER	LANKOI SAND BED	SRI PRAFULLA KUMAR MOHATA	VILLAGE- TETERKELA,P.S.BIS RA, SUNDARGARH,O DISHA		4.815	12.2.21	11.2.26	12.2.2021	WORKING	YES NO. 9795/SEIAA / 26.11.2020	K.NO. 137 PLOT NO. 712/1459/1 AC.8.62 PLOT NO. 620/1458 AC.3.28 TOTAL AC. 11.90LATITUDE OF 22° 19'20.20"N TO 22° 19'47.32"N AND LONGITUDE OF 84°56'32.07"E TO 84°56'41.33"E
G4	DEV RIVER	JAHARITOLI SAND BED				4.767				NON WORKING	YES NO. 2486/SEIAA / 04.09.2021	K.NO. 67 PLOT NO. 459/1 AC.1.50 PLOT NO. 460/1 AC. 10.28 TOTAL AC.11.78 , LATITUDE OF 22° 23'47.77"N TO 22° 24'04.09"N AND LONGITUDE OF 84°54'37.04"E TO 84°54'43.44"E
G5	IB RIVER	DALKI SAND BED				4.046				NON WORKING		DALKI , KHATA NO.203, PLOT NO.756/1708/P, AC.10.00, KISAM-NADI, LATITUDES OF 22°18'44.19"N TO 22°18'49.95"N AND LONGITUDE OF 84°31'06.33"E TO 84°30'56.65"E
NAME OF THE TAHASIL:- BALISANKARA												
H1	IB	GHOGHAR SAND BED-B				2.833				NON WORKING		GHOGHAR SAND BED-B KHATA NO.171 PLOT NO.457/P, AC.7.00, LATITUDE 22°20'19.1"N TO 22°20'27.2"N, LONGITUDE 83°59'35.3"E TO 83°59'40.3"E
H2	IB	KUSUMURA SAND BED				4.856 HA				NON WORKING	1175/SEIAA DT. 30.03.2021	KUSUMURA, KH NO. 203, PLOT NO. 1281/P, KISAM- NADI, AC. 12.00LATITUTE 22°19'26.652" TO 22°19'34.356"N, LONGITUTE – 83°59'51.756" TO 83°59'58.308E
H3	IB	BANKIDIHI SAND BED	SANTOSH KUMAR PATEL S/O BHIKARI PATEL	AT- PRADHANPART, PO-MAHULPALI PS- SADAR, DIST- SUNDARGARH.	562/23. 04.2021	4.228 HA	07.04.2021	6.4.2026	7.4.2021	WORKING	1041/SEIAA DT. 16.12.2020	BANKIDIHI, KH NO- 48, PLOT NO. 270/457/P, KISAM- NADI, AC.10.45, LATITUTE 22°20'49.62" TO 22°21'0.07"N, LONGITUTE – 83°59'2.01" TO 83°59'12.28"E

H4	IB	TELIJORE SAND BED	AJAY KUMAR PATEL S/O- SURENDR A KUMAR PATEL	AT/PO- SUBDEGA PS- TALSARA DIST- SUNDARGARH	1276 DT. 05.08.2021	3.358 HA.	22.07.2021	21.07.2026	22.07.2021	WORKING	1177/SEIAA DT. 30.03.2021	TELIJORE, KH NO- 179, PLOT NO- 1759/P, KISAM-NADI, AC.8.30, LATITUDE 22°21'13.943" N TO 22°21'22.732" N, LONGITUDE – 83°58'46.931"E TO 83°58'55.844"E
H5	UTTALI	LULKIDIHI SAND BED				2.917 HA.				NON WORKING	10124/SEIAA DT. 16.12.2020	LULKIDIHI, KH NO- 549, PLOT NO- 2202/4515, KISAM- NADI, AC.7.21, LATITUDE 22°31'47.91" TO 22°31'26.87" N, LONGITUDE – 83°59'48.78" TO 83°59'9.72"E
H6	IB	GHOGHAR SAND BED (A)				2.023 HA				NON WORKING		GHOGHAR , KH NO. 171, PLOT NO. 1416/1460/P, KISAM-NADI, LAT- 22°19'26.652" TO 22°19'34.356", LONG- 83°59'51.756" TO 83°59'58.308
H7	IB	KAINTARA SAND BED				0.93H A				NON WORKING		KAINTARA , KH NO. 111, PLOT NO. 1074/1329/P, KISAM-NADI, LAT- 22°18'45.93" TO 22°18'50.86", LONG- 84°00'51.94" TO 84°00'58.28
NAME OF THE TAHASIL:- RAJGANGPUR												
I1	"SANKHA RIVER"	CHUNGIMATI SAND BED	SUDHIR KUMAR BHENGRA	AT- RANIBANDH P.S.- RAJGANGPUR	1506 DT. 04/06/2021	3.642	19.04.2021	18.04.2026	19.04.2021	WORKING	"Y 866/SEIAA DT. 09.03.2021	MOUZA: CHUNGIMATI KHATA NO:93 PLOT NO. 507 KISAM : NADII, LATITUDE OF 22°14'15.29"N TO 22°14'17.90"N AND LONGITUDE OF 84°41'18.74"E TO 84°41'26.75'E
NAME OF THE TAHASIL:- SUBDEGA												
J1	IB	SUBALAYA SAND BED			-	4.908				NON-WORKING	9807/SEIAA, DATED 27.11.2020	KHATA NO-153, PLOT NO-118,1314,439,491/P, LATITUDE 22°7'58.09" TO 22°8'39.3"N, LONGITUDE 84°4'21.5" TO 84°5'21.7"
J2	IB	JAISAR SAND BED				4.208				NON-WORKING		KHAT NO-190, PLOT NO-1/1, 113/1, KISAM- NADI, LATITUDES OF 22°16'38.57" TO 22°16'50.05" N AND LONGITUDES OF 84°03'27.01" TO 84°03'34.62"
J3	IB	GAILO SAND BED				3.643				NON-WORKING		KHATA NO-145, PLOT NO-1083/P, KISAM- NADI

J4	IB	BHOJPUR SAND BED				4.858				NON-WORKING		KHAT NO-69, PLOT NO-1, KISAM- NADI, LATITUDE N22° 8'21.4" TO N22° 08'35.2" LONGITUDE E 84°03'26.03" TO 84°03'31.09"
J5	IB	KANIKA SAND BED				4.856				NON-WORKING		KHATA NO-67, PLOT NO-814/831, LATITUDE 22°09'31.27" N TO 22°09'40.32" N, LONGITUDE 84°05'08.13" E TO 84°05'22.34" E
J6	IB	MALIDIHI SAND BED				4.856				NON-WORKING		KHATA NO-49, PLOT NO-01/P, LATITUDE 22°09'31.27" TO 22°09'40.332" N, LONGITUDE 84°05'08.13" TO 84°05'22.34" E
J7	IB	BARPALI SAND BED	LABANID HAR PATEL	TUMULIA, SUNDARGARH, 9776696088	5327/D G, DATED 17.07.20 20 OF DEPUTY DIRECT OR OF GEOLOGY, DIRECT ORATE OF GEOLOGY, BBSR	4.047	14.02. 2022	13.02. 2027	14.02.2022	NON-WORKING	10134 / SEIAA, DATED 16.12.2020	KHATA NO-69, PLOT NO-874/P, KISAM-NADI, LATITUDE 22°18'41.60" TO 22°18'51.60"N LONGITUDE 84°1'3.40" TO 84°1'12.50" &
J8	IB	BHAGAPALI SAND BED				2.023				WORKING	10137 / SEIAA, DATED 16.12.2020	KHATA NO-71, PLOT NO-1/P, KISAM-NADI, LATITUDE 22 12'53.91"N TO 22 13'03.67"N LONGITUDE 84 05'47.66"E TO 84 05'56.46"E
J9	IB	KUKURIDIHI SAND BED				1.41				NON-WORKING		KHATA NO-172, PLOT NO-1/P, KISAM-NADI, LATITUDE 22 15'10.95"N TO 22 15'16.92"N LONGITUDE 84 04'34.26"E TO 84 04'40.98"E
J10	IB	GILKUDAR SAND BED				4.047				NON-WORKING		KHATA NO-20, PLOT NO-1/P, KISAM-NADI, LATITUDE 22 10'33.0"N TO 22 10'42.0"N LONGITUDE 84 06'04.9"E TO 84 06'13.4"E

NAME OF THE TAHASIL:- LEPHRIPARA												
K1	ICHHA	SURGUDA SAND				19.546				NON-WORKING		KHATA NO-173, PLOT NO-607, KISSAM-NADI
K2	ICHHA	LEPHRIPARA SAND				8.36				NON-WORKING		KHATA NO-245, PLOT NO-1636/2145, 1682/1 KISSAM-NADI, LATITUDE OF 22° 06'58.98"N TO 22°07'11.35" N TO 22°07'11.35" N AND LONGITUDE OF 83°48'09.40" TO 83°48'38.98"E.
K3	ICHHA	LUTHURKEND SAND				3.286				NOT WORKING		KHATA NO-30,14,68,459, PLOT NO-65 KISSAM-NADI, LATITUDE OF 22°09'19.60"N TO 22°09'29.45"N AND LONGITUDE OF 83°43'04.63"E TO 83°43'28.02"E
NAME OF THE TAHASIL:- BONAI												
L1	BRAHAMANI NADI	KOLASAH SAND				HC. 4.77				NON WORKING		MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 60/P, LATITUDES - FROM 21°49'12.00" TO 21°49'18.76" N, LONGITUDES-84°57'55.98" TO 84°57'48.14"
L2	BRAHAMANI NADI	SABARA SAND				AC. 6.00 DEC				NON WORKING		MOUZA- SABARA(BRAHAMANI NADI), KHATA NO- 36, PLOT NO.- 15/551
L3	BRAHAMANI NADI	SANGAGUA SAND	NIRANJAN CHATRIA	AT- WARD NO- 1 KHAPARSAHI (DEOGARH), PO-DEOGARH DIST-DEOGARH – 768108		HC 3.24	04.03.2021	03.03.2026	04.03.2021	NON WORKING	EC24C0107OR5875321A04-03-2021	"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 116/P & 117/P, LATITUDE - 21°44'17.58" TO 21°44'25.03", LONGITUDE-84°56'32.01" TO 84°56'39.71"
L4	BRAHAMANI NADI	BALIATOTA SAND	SWAWAT PRATIK PRADHAN	AT/PO- BONAI, DIST- SUNDARGARH		HC 2.05	-	-	NA	NON WORKING	N	MOUZA- BRAHAMANI "KHA"KHATA NO- 1, PLOT NO.- 56/P, KISSAM- NADI, LONG- 84°57'53.05" TO 84°57'58.48" LAT- 21°49'34.84" TO 21°49'41.41"

L5	BRAHAMANI NADI	TENDRA-II SAND BED	RASHMI REKHA SAHU	VILL- SINGSAL, PO- AMGAON, PS-BARKOTE, DIST- DEOGARH		5.00H A	14.11. 2023	13.11. 2028	14.11.2023	WORKING	EC23B000OR1300 60 14-11-2023	MOUZA- BRAHAMANI "KHA" KHATA NO- 1, PLOT NO.- 149/P, 151/P, KISSAM-NADI, LATITUDES OF 21°41'14.76"N TO 21°41'29.13"N AND LONGITUDE OF 84°56'51.27"E TO 84°56'56.88"E
L6	BRAHAMANI NADI	DEOGAON-II SAND BED	KAMAL LOCHAN SAHU	AT/PO- BONAI, DIST- SUNDARGARH		5.00 HA.	2021- 22	2026- 27	NA	NON WORKING	N	MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 34/P, 35/P, KISSAM-NADI
L7	BRAHAMANI NADI	KULANGE BASTI SAND BED	M/S SHREE BALAJI TRADERS	M/S SHREE BALAJI TRADERS, SRI GHANSHYAM DAS AGARWAL, PLOT NO- 75/B, INDUSTRIAL ESTATE, KALUNGA, ROURKELA, DIST- SUNDARGARH		5.00 HA.	2021- 22	2026- 27	NA	WORKING	N	MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 63/P, 64/P, KISSAM-NADI, LATITUDE OF 21°48'39.37" N TO 21°48'52.49" N AND LONGITUDE OF 84°57'51.40" E TO 84°57'57.99" E
L8	BRAHAMANI NADI	BADGAON SAND BED	SMT. BHARATI MISHRA	FLAT NO. 306, SAI RESIDENCE, K-9B, BHAGABANAGAR, PS- KHANDAGIRI, BHUBANESWAR, DIST- KHORDHA		4.97H A	23.05. 2023	22.05. 2028	23.05.2028	WORKING	N	MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 147/P, 148/P, KISSAM-NADI, LATITUDES OF 21°41'39.13"N TO 21°41'49.74"N AND LONGITUDE OF 84°56'38.68"E TO 84°56'42.28"E
L9	BRAHAMANI NADI	GILLI SAND BED	MUKESH KUMAR AGARWAL	AT- MODERN INDIA, ROURKELA, INDUSTRIAL TOWNSHIP, ROURKELA, DIST. SUNDERGARH		4.94H A	20-12- 2022	19-12- 2027	13-01-2023	WORKING	EC22B001OR1299 94 24-11-2022	MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 134/P, KISSAM-NADI, LAT OF 21°42'09.92"N TO 21°42'19.68"N AND LONG OF 84°54'22.31" E TO 84°54'33.79" E
L10	BRAHAMANI NADI (UPURDA)	UPURDA SAND	GHANSHYAM DAS AGARWAL	M/S SHREE BALAJI TRADERS, SRI GHANSHYAM DAS AGARWAL, EM- 61, BASANTI COLONY, PS- UDITNAGAR, DIST- SUNDARGARH		HA. 5.00	01-01- 2021	31-12- 2025	01-01-2021	WORKING	SIA/OR/MIN/3030 83 18-12-2023	"MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 69/P, 70/P" LATITUDE OF 21° 47'55.02"N TO 21° 48' 12.78"N AND LONGITUDE OF 84°58'03.15" E TO 84°58'06.91" E

L11	BRAHAMANI NADI (CHANDIPOSH H)	CHANDIPOSH SAND	PRAKASH KUMAR TRIPATHY S/O- PRAFULLA KUMAR TRIPATHY	AT-UPARPADA, PO-KENDRIKELA, PS- BONAI, DIST- SUNDARGARH		HA. 5.00	06-01-2021	05-01-2026	19-01-2021	WORKING	"Y9734/SEIAADT. 25.11.2020"	"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 98/P, 101/P,102/P', LATITUDE OF 21°43'20.25" TO 21°43'28.21" AND LONGITUDE OF 84°54'50.26" TO 84°54'04.28"
L12	BRAHAMANI NADI (TENDRA)	TENDRA SAND	SUDHIR KUMAR HARICHANDAN S/O- DAMODAR HARICHANDAN	AT- PLOT NO. E-4/10 CIVIL TOWNSHIP, PO- ROURKELA-4, DIST- SUNDARGARH		HA. 5.00	22.12.2020	21.212.2025	22.12.2020	WORKING	"Y9561/SEIAA DT. 04.11.2020"	"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 143, 141, LATITUDE OF 21°41'55.58"N TO 21°42'03.22"N AND LONGITUDE OF 84°55'27.09"E TO 84°55'55.85"E
L13	BRAHAMANI NADI (BONEIKELA)	BONEIKELA SAND	DURGA PRASAD MISHRA S/O- CHINTAMANI MISHRA	AT- GOVINDAPUR, PO- BAMRA, DIST- SAMBALPUR		5.00H A	8.01.2021	7.01.2026	8.01.2021	WORKING	"Y9865/SEIAA DT. 01.12.2020"	"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 128, LATITUDE- 21°43'20.25"" N TO 21°43'28.21""N, LONGITUTE- 84°54'50.26""E TO 84°54'04.28""E"
NAME OF THE TAHASIL:- ROURKELA												
M1	BRAHMANI RIVER	TARKERA SAND-3				4.856						VILLAGE-TARKERA,KHATA NO.22,PLOT NO.424/1289/P THE LEASE AREA IS BOUNDED BY 22°12'36.3"N 84°48'49.0"E 22°15'39.8"N 84° 49' 10.7"E
M2	KOEL RIVER,	LUAKERA SAND	LAXMI EXPORT	D NO-6-18-3/1 LIG,PLOT NO-4 BESIDES SAI SADAN APARTMENT,EAST POINT COLONY,CHINA WALTAR,VISAKH APATNAM		4.856	07-11-2023	06-11-2028	11-01-2024	WORKING	416474/867-MINB2/02-2023 31-05-2023	VILLAGE-LUAKERA,RTU-07,KHATA NO.78,PLOT NO.247/755/P BOUNDED BY N22°16'06.5" TON22°16'10.7" LATTITUDE & E84°48'29.5"TOE84°48'47.8"LONGITUDE
M3	KOEL RIVER	KOELNAGAR SAND	ANIL ORAM	JHIRPANI,SUNDERGARH,MOB.9861744888	2562/DT D.02-06-2017	HA. 4.77	27-10-2021	26-10-2026	27-10-2021	WORKING	YES/2583/SEIAA04-09-2021	RTU-27KHATA NO.174,PLOT NO.96/383/P 1.22°16'04.79"N 84°53'26.11"E 2.22°16'07.39"N84°53'24.60"E 3.22°16'19.50"N84°53'36.78"E 4.22°16'16.68"N84°53'39.43"E

M4	KOEL RIVER	TUMKELA SAND				AC.16 .0	NA	NA	NOT YET STARTING	NOT WORKING	NO	VILLAGE-TUMKELA KHATA NO.02 ,PLOT NO.312/339/P , LATITUDE OF 22016'28.20"N TO 22016'33.70"N AND LONGITUDE OF 84050'36.10"E TO 84050'52.10"E.
M5	BRAHMANI RIVER	TARKERA SAND-2				4.844						VILLAGE-TARKELA,KHTA NO.109,PLOTNO.461/553/P THE LEASE AREA IS BOUNDED BY 22°12'36.0"N 84°48'14.82 9.7"E & 22°15' 41.9",84°48' 50.7"E
M6	BRAHMANI RIVER	TARKERA SAND-1				3.379						KHATA NO-109, PLOT NO-63/548/P, 410/549/P, 410/552/P,410/551/P,410/550/P, KISAM-NADI, LATITUDE OF 22°12'40.1"N TO 22°15'49.80"N AND LONGITUDE OF 84°48'14.8"E TO 84°48'30.40"E.
M7	KOEL RIVER	PRADHANPALI SAND BED	BALARAM LOHAR	D NO-6-18-3/1 LIG,PLOT NO-4 BESIDES SAI SADAN APARTMENT,EAST POINT COLONY,CHINA WALTAR,VISAKH APATNAM		3.237	08-06-2022	07-06-2027	08-06-2022	WORKING	SIA/OR/MIN/3077 17/2023 16/04/2024	VILLAGE-PRADHANPALI,RTU-1,KHATA- 138,PLOT NO.1/1196 1. LONG-84°47'29.99" TO 84°47'25.81" , LAT-22°15'49.05" TO 22°15'39.59"
NEW SOURCE												
M8		TUMKELA SAND BED A				2.023						ROURKELA TOWN, KHATA-02, PLOT- 312/339/P, KISSAM-NADI, LAT-, LONG-
NAME OF THE TAHASIL:-BISRA												
N1	KOEL RIVER	JAMSERA-2 SAND BED	SRI KUNJA TIRKEY	AT- JHARIAKOCHA, PO/PS- JHIRIPANI, SUNDARGARH		5.00 HA					9846/SEIAA DT. 01.12.2020	JAMSERA-II SAND BED , KHATA NO-38, PLOT NO-59/331, KISAM-NADI, 5.00HA, LATITUDE OF 22°16'31.65"N TO 22°16'35.65"N AND LONGITUDE OF 84°54'44.65"E TO 84°55'01.23'E.
N2	KOEL RIVER	KUNDAPOSH SAND BED	UDAYAN ATH MAHANT A	VILLAGE-PASARAPALI,PS-BISRA,PO-AJAYKELA,DIST-SUNDARGARH	1460 DT. 02.07.20	4.997	27-04-2022	26-04-2027	28-03-2023	WORKING	9842/SEIAA DT. 01.12.2020	KHATA NO-34, PLOT NO-1/386/P, ERLA ,KHATA NO-54, PLOT NO-1/632/P, KISAM-NADI, LAT-22°19'34.40" TO 22°19'41.73" N LONG-85°04'24.37" TO 85°04'39.64"E

N3	KOEL RIVER	JABAGHAT SAND BED	FAKIR MOHAN NAYAK		1414 DT. 30.06.2020	5	07.01.2021	06.01.2026	07.01.2021	WORKING	9844/SEIAA, 01.12.2020	JABAGHAT , KHATA NO-86, PLOT NO-1/P, KISAM-NADI, 5.00HA, 22°16'32.73"N TO 22°16'41.70"N AND LONGITUDE OF 84°55'39.33"E TO 84°55'56.27"E.
N4	KOEL RIVER	BAD BAMBUA & MASURIKUDAR SAND BED	AMIT KUMAR SAHOO	KADOBHAL,PS-RAIBOGA,DIST-SUNDARGARH,O DISHA,PIN-770033	1233 DT. 11.06.20	5	10-03-2021	09-03-2026	15-03-2021	WORKING	9840/SEIAA 01.12.2020	MAUZA-BADBAMBUA ,KHATA NO-88, PLOT NO-1/805/P, KISAM-NADI, MAUZA-MASURIKUDAR, KHATA NO-73, PLOT NO-1/P, KISAM-NADI, 5.00HA, 22°19'36.79"N TO 22°19'44.21"N AND LONGITUDE OF 85°01'52.92"E TO 85°02'05.34'E.
N5	KOEL RIVER	KHATANGKUDAR & UDUSU SAND BED				4.997 HA				NON WORKING	9859/SEIAA DT 01.12.2020	KHATANGKUDAR , KHATA NO-21, PLOT NO-9/134/P, UDUSHU, KHATA NO-139, PLOT NO-1/1668/P, KISAM-NADI, 4.997HA, LATITUDE OF 22°17'21.45"N TO 22°17'34.54"N AND LONGITUDE OF 84°59'20.79"E TO 84°59'32.22"E.
NEW SOURCE												
N6		JARAIKELA SAND BED				2.21						JARAIKELA,KHATA NO-95, PLOT NO-418/526/P, 8.00AC., KISAM-NADI, LATITUDES - AND LONGITUDE-
N7	Koel River	Jamsera-3 Sand Bed				1.214						AT-JAMSERA, KHATA NO-38, PLOT NO-59/331/P,KISSAM-NADI,
NAME OF THE TAHASIL:-KUARMUNDA												
O1	SANKH RIVER	PADMAPUR SAND BED-I	--	--		9.55 HA	--	--		NON-WORKING		PADMPUR,KH-138 PL.NO.-422/812/P LATITUDE OF 22°15'00.73"N TO 22°15'13.06"N AND LONGITUDE OF 84°46'12.86"E TO 84°46'45.65"E
O2	SANKH RIVER	PADMAPUR SAND BED-II	--	--		4.856 HA	--	--		NON-WORKING		PADAMPUR , KHATA NO-138, PLOT NO-374/813/P,12.00AC,KISAM-NADI,84°45'36.85" TO 84°45'53.15" 22°15'02.36" TO 22°15'07.48"

O3	SANKH RIVER	PADMAPUR SAND BED-III			4.856 HA					NON-WORKING		PADMPUR, KH-138 PL.NO.-374/813/P, KISAM-NADI, 84°45'29.24" TO 84°45'50.89" 22°15'09.06" TO 22°15'13.64"
O4	SANKH RIVER	KUARMUNDA SAND BED-I	KISHAN PANI	KUARMUNDA,PS-BIRAMITRAPUR,DI ST-SUNDARGARH	4.856 HA	22-03-2022	21-03-2027	07-07-2022		NON-WORKING	4998/SEIAA 29-07-2022	KUARMUNDA KHATA NO-397, PLOT NO-2876/P, 12.00AC, KISAM-NADI, LATITUDE OF 22°16'01.87"N TO 22°16'07.48"N AND LONGITUDE OF 84°47'35.66"E TO 84°47'59.29"E.
O5	SANKH RIVER	KUARMUNDA SAND BED-II	SATISH JAISWAL	PANPOSH BASTI,PO-PANPOSH,PS-RAGHUNATHPALI ,ROURKELA,DI ST-SUNDARGARH	3.237	05-04-2024	04-04-2027	05-04-2024		WORKING	EC24C0107OR53 81515A 17-06-2024	KUARMUNDA SAND-II, KHATA NO-397, PLOT NO-2879/P, 8.00AC, KISAM-NADI, LATITUDE OF 22°15'16.29"N TO 22°15'25.76"N AND LONGITUDE OF 84°47'40.92"E TO 84°47'49.52"E.
O6	SANKH RIVER	USHRA SAND BED-I			4.856 HA					NON-WORKING		USHRA GHAT-I SAND BED, KHATA NO-263, PLOT NO-2256/P, KISAM-NADI, 4.856HA, LATITUDE OF 22°14'54.17"N TO 22°15'03.00"N AND LONGITUDE OF 84°42'19.45"E TO 84°42'32.88'E.
O7	SANKH RIVER	USHRA SAND BED-II	JUNANI BUD	JAMUNAKI,PS-BIRAMITRAPUR,DI ST-SUNDARGARH,O DISHA,770039	4.856 HA	05-01-2022	04-01-2027	18-07-2022		NON-WORKING	9498/SEIAA 03-11-2020	USHRA GHAT, KHATA NO-263, PLOT NO-2364/P, KISAM-NADI, 4.856HA, LATITUDE OF 22°14'36.36"N TO 22°14'48.01"N AND LONGITUDE OF 84°42'02.51"E TO 84°42'11.90"E.
O8	SANKH RIVER	CHANDIPOSH SAND BED	MOHAN KUMAR AGRAWAL	BASANTI COLONY,QR NO-EM/61,ROURKELA -12,DI ST-SUNDARGARH	4.856 HA	07-04-2021	06-04-2026	04-05-2021		WORKING	SIA/OR/MIN/3034 06/2023 07-04-2021	CHANDIPOSH SAND BED, KHATA NO-47, PLOT NO-159/P, KISAM-NADI, 4.856HA, LATITUDE OF 22°15'10.32"N TO 22°15'16.96"N AND LONGITUDE OF 84°44'07.39"E TO 84°44'16.16"E.
O9	KOEL RIVER	BIJUBANDH SAND BED	BAJRANG LAL AGRAWAL	MAIN ROAD ROURKELA,NEAR HARYANA BHAWAN,PO-ROURKELA,769001,PS-PLANT SITE,SUNDARGARH	4.856 HA	11-09-2023	10-09-2028	25-09-2023		NON-WORKING	EC23B001OR1541 64 13-07-2023	BIJUBANDH, KHATA NO-58, PLOT NO-216/P, 12.00AC., KISAM-NADI, LATITUDES OF 22°16'37.70"N TO 22°16'43.71"N AND LONGITUDE OF 84°50'56.76"E TO 84°51'09.97"E.

O10	SANKHA RIVER	SARANDAPOSH SAND BED				4.046 HA					NON-WORKING		SARANDAPOSH,KH.NO.-84.PL.NO.479/P, KISAM-NADI, 84°45'03.78" TO 84°45'22.48" 22°15'09.34" TO 22°15'14.47"
O11	KOEL RIVER	PASARA SAND BED				4.78H A					NON-WORKING	2660/SEIAA DTD.10.3.2017	KHATA NO-81, PLOT NO-838/P, KISAM-NADI, LATITUDE OF 22°16'08.3"N TO 22°16'15.2"N AND LONGITUDE OF 84°52'11.2"E TO 84°52'51.8"E.
O12	SANKHA RIVER & KOEL RIVER	JAMUNANAKI SAND BED-II				6.59							KHATA NO-75, PLOT NO-405/1, 405/415/P, KISAM-NADI, LATITUDES OF 22°14'40.16"N TO 22°14'29.62"N AND LONGITUDE OF 84°47'37.78"E TO 84°47'52.82"E
NEW SOURCE													
O13	KOEL RIVER	BIJUBANDH SAND BED-A				3.237							BIJUBANDH, KHATA NO-58, PLOT NO-92/P1,92/P2, 8.00AC., KISAM-NADI, LATITUDES - AND LONGITUDE-
NAME OF THE TAHASIL:-KUTRA													
P1	SANKHA	TARKERA SAND BED-I				4.548 HACTER					NON WORKING	YES LETTER NO. 2129/ SEIAA. DT. 09.08.2021	TARKERA SAND BED-I, KHATA NO-155, PLOT NO-528/P,KISAM-JALA BHANDAR , 9.10AC, PLOT-528/1304P, KISAM-NADI, 2.14AC, LATITUDE OF 22°20'40.24" TO 22°20'55.13" N AND LONGITUDE 84°29'52.49" TO 84°30'00.36"E
P2	SANKHA	TARKERA SAND BED-II				2.751 HACTER					NON WORKING	YES LETTER NO. 2127/ SEIAA. DT. 09.08.2021	TARKERA , KHATA NO-154, PLOT NO-931/1309/P, 6.80AC, KISAM-JALA BHANDAR , LATITUDE OF 22°19'52.27" TO 22°19'58.67" N AND LONGITUDE OF 84°30'08.07" TO 84°30'15.09"E.
P3	SANKHA	SAMLEIMUNDA SAND BED-I	OMPRAKASH GUPTA	AT- PATRAPALI, SUNDARGARH. DIST. SUNDARGARH PH. NO.-8917398880	LETTER NO. 1638/DT D.06.10. 2020	2.55 HACTER	09-11-2021	08-11-2026	01-01-2022		WORKING	YES LETTER NO. 2123/ SEIAA. DT. 09.08.202	SAMALEIMUNDA , KHATA NO-158, PLOT NO-706/2156/P, 6.30AC, KISAM-JALA BHANDAR , LATITUDE OF 22°19'31.62"N TO 22°19'36.10"N AND LONGITUDE OF 84°29'58.22"E TO 84°30'05.47"E.

P4	SANKHA	UDURMA SAND BED-I	OMPRAK ASH GUPTA	AT- PATRAPALI, SUNDARGARH. DIST. SUNDARGARH PH. NO.- 8917398880	LETTER NO. 1636/DT D.06.10. 2020	4.87 HACT ER	17.11. 2021	16.11. 2026	17.11.2021	WORKING	YES LETTER NO. 2125/ SEIAA. DT. 09.08.2021	UDURMA , KHATA NO-144, PLOT NO-1/P, KISAM-NADI, LATITUDE OF 21°21'36.99" TO 21°21'46.71"N AND LONGITUDE 84°29'2.32" TO 84°28'57.06"E.
P5	SANKHA	LAXMIPOSH SAND BED-I				2.088 HACT E				NON-WORKING		LAXMIPOSH KHATA NO-85, PLOT NO-683/1289/P, KISAM-JALA BHANDAR, LATITUDE OF 22°18'35.99" TO 22°18'39.80" N AND LONGITUDE OF 84°31'03.26" TO 84°31'13.50"E.

NB: in the above table omitted Columns are,

Column- **09** & **10** Period of Mining lease (1st/2nd...renewal)-**NA**

Column-**13 Use (Captive/ Non Captive) - All Non Captive**

Column- **16** Method of Mining (Opencast/Underground) - **All Open cast**

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

ROYALTY FOR SAND					
SL. N O.	NAME OF THE TAHASIL	NAME OF SOURCE	REVENUE COLLECTED FOR LAST THREE YEARS (IN RS)		
			2021-22	2022-23	2023-24
1	ROURKELA	TARKERA SAND BED 1	600000.00	180000.00	127060.00
2	ROURKELA	TARKERA SAND BED 2	507000.00	507000.00	1091862.00
3	ROURKELA	TARKERA SAND BED 3	1091502.00	1091502.00	NIL
4	BISRA	KHATANGKUDAR SAND BED	NIL	1334160.00	NIL
5		SABRA SAND BED	NIL	645144.00	NIL
6	PANPOSH KUARMUNDA	CHANDIPOSH SAND BED	4600260.00	1500335.00	7348585.16
7	ROURKELA	PRADHANPALLI SAND BED	NIL	1084480.00	2855785.16
8	PANPOSH KUARMUNDA	USHRA SAND BED	NIL	185360.00	NIL
9	BISRA	JABAGHAT SAND BED	NIL	6149915.00	NIL
10	PANPOSH KUARMUNDA	KUARMUNDA SAND BED-I	NIL	NIL	800000.00
11	PANPOSH KUARMUNDA	KUARMUNDA SAND BED-I	NIL	NIL	100000.00
12	PANPOSH KUARMUNDA	KUARMUNDA SAND BED-II	NIL	1188712.00	4997065.46
13	BISRA	KUNDAPOSH SAND BED	NIL	2267820.00	2267820.00
14	LATHIKATA	TAIN SAR SAND BED	NIL	1839900.00	2759100.00
15	ROURKELA	LUAKERA SAND BED	564237.00	188069.00	9713984.05
16	RAJGANGPUR	CHUNGIMATI SAND BED	499950.00	125258.00	
17	LEPHRIPARA	SURUGUDA SAND BED	62137.00	63877.00	NIL
18	LEPHRIPARA	LEPHRIPARA SAND BED	51010.00		NIL
19	TANGARPALLI	DALDALI SAND BED	1942484.00	2330980.00	582745.00
20	TANGARPALLI	LEMLEMA SAND BED	4244078.00	7542819.00	5186246.00
21	LATHIKATA	ATTAGHAT SAND BED	1085055.00	12999455.00	12999455.00
22	LATHIKATA	KANSAR SAND BED	2216012.00	26558761.00	13088720.00
23	LATHIKATA	BELDIHI 1 SAND BED	753500.00	753500.00	753500.00
24	LATHIKATA	BELDIHI 2 SAND BED	122740.00	122740.00	NIL
25	LATHIKATA	KALOKUDAR SAND BED	657400.00	657400.00	213700.00
26	LATHIKATA	LUNGEI SAND BED	425531.00	525531.00	525531.00
27	LAHUNIPADA	SUARPALI SAND BED	256473.00	NIL	NIL
28	LAHUNIPADA	POIGAON SAND BED	1665728.00	NIL	NIL
29	LAHUNIPADA	DIGI SAND BED	NIL	NIL	NIL
30	LAHUNIPADA	TUMKELA SAND BED	2659520.00	NIL	NIL
31	LAHUNIPADA	LUTHURBA SAND BED	20380623.00	20380623.00	11345628.00
32	LAHUNIPADA	KENAPALI SAND BED	4855556.00	NIL	NIL
33	KUTRA	UDURMA SAND BED 1	640047.00	280094.00	0.00
34	KUTRA	SAMLEIMUNDA SAND BED 1	477537.00	477537.00	0.00
35	KUTRA	TARKERA SAND BED 1	0.00	675000.00	0.00
36	SUBDEGA	SUBALAYA SAND BED	265577.00	160000.00	NIL
37	PANPOSH KUARMUNDA	BIJUBANDH SAND BED	NIL	NIL	6903919.15
38	SUBDEGA	JAISAR SAND BED	566840.00	393920.00	287520.00

39	SUBDEGA	GAILO SAND BED	781312.00	781312.00	NIL
40	SUBDEGA	BARAPALI SAND BED	202708.00	603750.00	302708.00
41	SUBDEGA	BHAGAPALI SAND BED	488385.00	663698.00	283844.00
42	BISRA	JAMSER 1 SAND BED	390040.00	390040.00	NIL
43	BISRA	JAMSER 2 SAND BED	NIL	166926.00	324065.00
44	BISRA	BAD- BAMBUA & MASURIKUDAR SAND BED	702360.00	702360.00	NIL
45	PANPOSH KUARMUNDA	PASARA SAND BED	143870.00	12295.00	NIL
46	BONAI	BADGAON SAND BED	NIL	NIL	3370500.00
47	BONAI	GILLI SAND BED	NIL	2153700.00	1076850.00
48	BONAI	SANGOGUA SAND BED	NIL	3040516.00	1500000.00
49	BONAI	TENDRA II SAND BED	NIL	NIL	2819400.00
50	BONAI	TENDRA SAND BED	598378.00	2078550.00	1378550.00
51	BONAI	UPURDA SAND BED	740600.00	2599200.00	3237600.00
52	BONAI	BONEIKELA SAND BED	1588400.00	1648966.00	2401550.00
53	GURUNDIA	BARTENGDA SAND BED	1240000.00	3720000.00	1500000.00
54	GURUNDIA	PITAGAON SAND BED	1008001.00	1064235.00	1531174.36
55	GURUNDIA	RANIAMARABATIPUR SAND BED	850000.00	NIL	NIL
56	GURUNDIA	CHHIDI SAND BED	9030000.00	14804400.00	14095261.50
57	GURUNDIA	KUCHEITA SAND BED	NIL	NIL	NIL
58	GURUNDIA	NARENDRA SAND BED-2	NIL	NIL	NIL
59	BALISANKARA	TELOJOR SAND BED	2128909.00	2128909.00	NIL
60		BAKIBAHAL SAND BED	2386623.00	2386623.00	NIL
61	BIRAMITRAPUR	LANKOI SAND BED	192812	192812.00	192812.00
62	BIRAMITRAPUR	GOPAPUR	243993.00	243993.00	243993.00
63		GAHARITOLI	0.00	0.00	NIL
64	BIRAMITRAPUR	TATERKELA SAND BED	0.00	4974849.00	3203550.54
65	SUNDARGARH SADAR	NUA-AMLIPALI SAND BED	2924664.00	NIL	NIL
66	SUNDARGARH SADAR	NUA-AMLIPALI SAND BED-I	1626000.00	NIL	NIL
67	SUNDARGARH SADAR	NUA-AMLIPALI SAND BED-II	1404200.00	4811515.00	1501515.00
68	SUNDARGARH SADAR	CHITABHANGA SEND BED	5794403.00	2600000.00	NIL
69	SUNDARGARH SADAR	LANKAHUDA SAND BED	2210501.00	343986.00	4188718.00
70	SUNDARGARH SADAR	BHASMA SAND BED	4584000.00	8649386.00	5777377.00
71	SUNDARGARH SADAR	KAINSARA SAND BED-I	1720000.00	3193601.00	650000.00

05. DETAILS OF PRODUCTION OF SAND.

PRODUCTION OF SAND					
SL. NO	NAME OF THE TAHASIL	NAME OF SOURCE & LOCATION	PRODUCTION FOR LAST THREE YEARS(IN CUM)		
			2021-22	2022-23	2023-24
1	GURUNDIA	PITAGAON SAND BED	10000	10000	2250
2	BONAI	TENDRA-II SAND BED	-	-	11591
3	GURUNDIA	CHHIDI SAND BED	20000	20000	15901
4	BONAI	UPURDA SAND BED	20000	20000	16595
5	BISRA	JAMSERA-2		2000	2781
6	KUARMUNDA	BIJUBANDH SAND BED			627
7	ROURKELA	PRADHANPALI SAND BED			542
8	ROURKELA	LUAKERA SAND BED			5413
9	KUARMUNDA	CHANDIPOSH SAND BED	10000	10000	13571
10	KUARMUNDA	KUARMUNDA SAND BED-II		11264	11677
11	LATHIKATA	LUNGEI SANDBED	4001	4001	5198
12	BONAI	TENDRA SAND BED	25000	25000	14100
13	BONAI	GILLI SAND BED	-	40000	19856
14	BONAI	SANGOGUA SAND BED	16138	16138	9773
15	BIRAMITRAPUR	TETERKELA SANDBED	6000	-	-
16	LATHIKATA	TAIN SAR SANDBED	-	4800	4800
17	LATHIKATA	ATTAGHAT SANDBED	771	9251	9251
18	BONAI	KULANGE BASTI SAND BED			
19	BONAI	BONEKELA SAND BED	25000	25000	25000
20	BONAI	BALIATOTA SAND BED			
21	BONAI	DEOGAON-2 SAND BED			
22	BONAI	BADGAON SAND BED	-	-	-
23	BONAI	CHANDIPOSH SAND BED			
24	GURUNDIA	BARTENGDA SAND BED	10000	10000	10000
25	GURUNDIA	NARENDRA SAND BED-2	-	-	-
26	LAHUNIPADA	LUTHURBA SAND BED	27286	27286	27286
27	TANGARPALLI	DALDALI SAND BED			
28	RAJGANGPUR	CHUNGIMATI SAND BED	4000	1000	-
29	KUTRA	SAMLEIMUNDA SAND BED	4000	4000	-
30	KUTRA	UDURMA SAND BED	9000	5000	-
31	BIRAMITRAPUR	LANKOI SANDBED	3780.6	3780.6	2835
32	BIRAMITRAPUR	GOPPUR SANDBED	4060	4060	6090
33	BIRAMITRAPUR	JAHARITOLI SANDBED			
34	BIRAMITRAPUR	DALKI SANDBED			
35	BISRA	JABAGHAT SAND BED		3000	
36	BISRA	BAD- BAMBUA SAND BED	3000	3000	-
37	BISRA	KUNDAPOSH SAND BED		3000	3000
38	BALISANKARA	BANKIDIHI SAND BED	5000	5000	
39	BALISANKARA	TELIJORE SAND BED	5000	5000	
40	ROURKELA	KOELNAGAR SAND BED			
41	ROURKELA	TUMKELA SAND BED			
42	SUNDARGARH SADAR	NUA-AMLIPALI SAND BED-II	10150.4	10150.4	10150
43	SUNDARGARH SADAR	LANKAHUDA SAND BED	7100.1	7100.1	7100
44	SUNDARGARH SADAR	BHASMA SAND BED	10181.1	10181.1	10181
45	SUNDARGARH SADAR	KAINSARA SAND BED-I	10179.4	10179.4	10179

46	PANAPOSH KUARMUNDA	KUARMUNDA SAND BED-I			
47	PANAPOSH KUARMUNDA	USHRA SAND BED-I			
48	PANAPOSH KUARMUNDA	USHRA SAND BED-II			
49	PANAPOSH KUARMUNDA	PADAMPUR SAND BED-I			
50	PANAPOSH KUARMUNDA	PADAMPUR SAND BED-II			
51	PANAPOSH KUARMUNDA	PADAMPUR SAND BED-III			
52	PANAPOSH KUARMUNDA	JAMUNANAKI SAND BED-II			
53	PANAPOSH KUARMUNDA	SARANDAPOSH SAND BED			
54	PANAPOSH KUARMUNDA	PASARA SAND BED			
55	LATHIKATA	KANSAR SANDBED	1027	12317.7	6070
56	LATHIKATA	BELDIHI SANDBED-1	4000	4000	4000
57	SUBDEGA	SUBALAYA SAND BED			
58	TANGARPALLI	LEMLEMA (TANGARBHADI) SAND BED			
59	SUBDEGA	BARPALI SAND BED	1250	3750	1871
60	SUBDEGA	BHAGAPALI SAND BED	1060	1440	
61	SUBDEGA	JAISAR SAND BED	10855	5820	5750
62	SUBDEGA	MALIDIHI SAND BED	-	-	-
63	SUBDEGA	KANIKA SAND BED	-	-	-
64	SUBDEGA	GAILO SAND BED	12000	12000	
65	SUBDEGA	KUKURIDIHI SAND BED	-	-	-
66	SUBDEGA	BHOJPUR SAND BED	-	-	-
67	SUBDEGA	GILKUDAR SAND BED	-	-	-
68	SUNDARGARH SADAR	NUA-AMLIPALI SAND BED	4800	4800	4800
69	SUNDARGARH SADAR	NUA-AMLIPALI SAND BED-1	10150	10150	10150
70	SUNDARGARH SADAR	CHITABHANGA SAND BED	10000	10000	10000
71	LEPHRIPARA	LEPHRIPARA SAND BED	1000	1000	-
72	LEPHRIPARA	SURUGUDA SAND BED	980	1000	-
73	LEPHRIPARA	LUTHURKEND SAND BED	-	-	-
74	LATHIKATA	BELDIHI SANDBED-2	1732	-	-
75	LATHIKATA	BHALUPATRA SANDBED	-	-	-
76	LATHIKATA	KALOKUDAR SANDBED	8000	8000	-
77	LATHIKATA	BALANI SANDBED	20000	10000	-
78	LAHUNIPADA	POIGAON SAND BED	5067.2	-	-
79	LAHUNIPADA	TUMKELA SAND BED	7400	-	-
80	LAHUNIPADA	BIRTOLA SAND BED	-	-	-
81	LAHUNIPADA	SUARPALI SAND BED	6402	-	-
82	LAHUNIPADA	KENAPALI SAND BED	16375	-	-
83	LAHUNIPADA	DIGI SAND BED	4848	-	-
84	KUTRA	TARKERA SAND BED-I	-	5250	-
85	KUARMUNDA	KUARMUNDA SAND BED-I		16348	16348
86	KUARMUNDA	USHRA SAND BED-II		5000	5000
87	GURUNDIA	RANIAMARABATIPUR SAND BED	10000	10000	-
88	GURUNDIA	KUCHEITA SAND BED	-	-	-
89	BONAI	SABRA SAND BED	-	-	-
90	BISRA	JAMSER -I	3000	3000	-
91	BALISANKARA	GHOGHAR SAND BED (B)	5000	-	-

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

Fluvial Process of deposition is a geological process on the face of earth, normally controlled by various factors like gradient of the river, velocity of the flowing water, amount of discharge, change in the river channel pattern & chemical precipitation etc. Sediment in rivers gets deposited as the river slows down. Larger, heavier particles like pebbles and sand are deposited first, whilst the lighter silt and clay only settle if the water is almost still. The flow of water is strongest on the outside of river bends, eroding the bank, but is slowest on the inside of the bends, allowing deposition of sand and gravel. When a river “bursts its banks” after heavy rain, flood water spreads out across the floodplain and, because this water hardly moves, finer silt and clay are deposited – often making good farmland.

Sundargarh district is a physically hilly terrain having majorly dendritic drainage pattern to sub-parallel, there are two main rivers named IB River & *Brahmani River*. *Brahmani river* along with its tributaries, the Sankha & koel Rivers flows within the district. There are few other small rivers flows within the district. The Brahmani River originates from the vedavyas at Rourkela within Sundargarh district. The distance of the sources from the river origin is geologically very short, hence this can be concluded that the rate of deposition of sand in the above River is moderate, while in rest small rivers within the district the rate of deposit is slow.

Sundargarh district is physiologically a complex terrain having numerous numbers of hills, moulds, plane lands, river beds, agricultural lands, forest growth areas etc. In the central part of the district there is Mandira Reservoir catchment area. Adjacent to reservoir catchment area hilly terrain present which have an elevation range from mean sea level about 200m to 600m. Hills and mounts are more common in the east to Sundargarh district where as in the west part there are less hills compered to east part. There are several seasonal nala / dry nala & a

few perineal natural drainage exists within the district. Main river that flows in the district is *Brahmani River* & *Ib River*, in addition to that a few other small rivers present within the district namely *Sankha*, *Koel*, *Deo*, *River etc.* The distance of the sources from the river origin is geologically very short, hence this can be concluded that the rate of deposition of sand in *Brahmani* & *Ib River* is moderate, while in rest rivers within the district the rate of deposit is slow.

The replenished volume of sand of the existing sources are as following:

LEASE NO.	RIVER DETAILS	LEASE DETAILS	AREA (IN HA)	MINEABLE REPLENISHED VOLUME (IN CUM)
A1	IB RIVER	NUA-AMLIPALI SAND BED-II,MOUZA- NUA-AMLIPALI, KHATA NO.- 381, PLOT NO- 397/P, KISAM- RIVER LATITUDE OF 22°07'30.39"N TO 22°07'38.88"N AND LONGITUDE OF 84°00'56.88"E TO 84°01'10.41"E.	4.856	6997(FOR 2021 FY)
A2	IB RIVER	CHITABHANGA SAND,MOUZA- CHITABHANGA KHATA NO.- 474, PLOT NO- 2413/P, KISAM- RIVER LATTITUDE- 22°05'38.30" TO 22°05'47.60" LONGITUDE- 84°00'47.70" TO 84°00'50.70"	4.087	
A3	IB RIVER	LANKAHUDA SAND,MOUZA- LANKAHUDA, KHATA NO.- 150, PLOT NO- 1/P, KISAM- RIVER LATTITUDE- 22°02'37.59"N TO 22°02'43.84"N LONGITUDE- 83°59'32.59"E TO 83°59'37.15"E "	1.983	7175(FOR 2021 FY)
A4	IB RIVER	BHASMA SAND,MOUZA- BHASMA, KHATA NO.- 133, PLOT NO-1/ 1384/P, KISAM- RIVER LATTITUDE- 21°57'38.12"N TO 21°57'46.81"N LONGITUDE- 84°01'51.51"E TO 84°01'59.85"E	3.763	10241.9 (FOR 2024 FY)
A5	IB RIVER	KAINSARA SAND-I,MOUZA- KAINARA, KHATA NO.- 86, PLOT NO- 96/1146/P, 6.00AC KISAM- RIVER, MOUZA- DEULI, KHATA NO.- 257, PLOT NO- 2668/P,6.00AC KISAM- RIVER, LATITUDE OF 21°58'30.42"N TO 21°58'34.22"N AND LONGITUDE OF 84°02'31.39"E TO 84°02'46.81"E	4.856	9755.4 (FOR 2024 FY)
C1	IB RIVER	BILAIGARH SAND BED,BILAIGARH , KHATA NO. 217, PLOT NO. 1240/1 KISAM- NADI, LAT- 22°56'29.85" TO 21°56'39.72"N, LON- 84°00'52.27" TO 84°01'05.19"E	4.856	
C2	IB RIVER	KURGA JHARBENI SAND BED MOUZA-KURGA JHARBENI,KHATA NO-201,PLOT NO-1545/P,AREA- 4.046,KISSAM-NADI, LAT-22°04'55.32" TO 22°05'07.17", LONG-83°59'39.51" TO 83°59'48.39"	4.046	
C3	IB RIVER	LEMLEMA SAND BED,LEMLEMA, KHATA NO. 186 PLOT NO. 132/1645/P, KISAM NADI, 22°07'51.09" TO 22°07'56.09" & 84°01'32.65" TO 84°01'39.62"	4.686	
C4	IB RIVER	ERGAPITA SAND BED,ERGAPITA, KHATA NO. 34 PLOT NO. 220/P KISAM NADI, LAT- 21 59' 02.52" N, LON- 84 00' 40.09" E, 84°0'38.82" TO 84°0'45.37" & 21°59'4.80" TO 21°59'16.66"	4.67	
C5	IB RIVER	NADISUGUDA SAND BED,NADISUGUDA, KHATA NO. 113 PLOT NO. 338/1350 KISAM NADI, LAT- 22°0'40.90" TO 22°0'50.25" N, LON- 83°59'29.31" TO 83°59'36.98 E	4.795	
C6	IB RIVER	DALDALI SAND BEDD DALDALI, KHATA NO. 158 PLOT NO. 1495/1652/P & 1297/1695/P KISAM- NADI, LAT- 21°55'9.90" TO 21°55'17.60" LON- 83°59'42.50" TO 83°59'54.40"	3.828	2931.6 (FOR 2023 FY)

C7	IB RIVER	ABANKELA SAND BEDABANKELA, KHATA NO. 175 PLOT NO. 996/1501 KISSAM NADI, LAT-21°57'19.29" TO 21°57'29.23" N, LON- 84°01'35.57" TO 83°01'44.63"E	4.694	
C8	IB RIVER	LEMLEMA TANGARBHADI SAND BED,LEMLEMA, KHATA NO. 186 PLOT NO. 1154/1642/P, KISSAM NADI, 84°3'27.48" TO 84°3'39.73" & 22°8'43.55" TO 22°8'54.41"	4.73	
C9	IB RIVER	KIRIPSIRA SAND,KIRIPSIRA, KHATA NO- 108, PLOT NO-478/P, KISSAM- NADI, LAT-22°02'40.77" TO 22°02'52.61" , LONG-83°59'15.99" TO 83°59'26.21"	4.856	
C10	IB RIVER	REMENDA SAND BED,REMENDA, KHATA NO- 184, PLOT NO- 287/1819, KISSAM- NADI, LAT- 22°58'25.93" TO 22°58'39.93" , LONG-84°00'38.06" TO 84°00'44.36"	4.73	
D1	BRAHMANI	ATTAGHAT SANDBED,AT:- ATTGHAT, KHATA NO-61, PLOT NO-484/566, KISSAM-NADI, LATITUDE- 22°08'43.64" TO 22°08'55.98" AND LONGITUDES OF 84°51'18.78" TO 84°51'28.12"	4.856	8091 (FOR 2022-2023 FY)
D2	BRAHMANI	KANSAR SANDBED,AT:- KANSAR, KHATA NO-94, PLOT NO-211/P, KISSAM- NADI, LATITUDE OF 22°09'20.35"N TO 22°09'35.20"N AND LONGITUDE OF 84°50'46.05"E TO 84°51'13.48"E.	4.856	
D3	SANKH RIVER	BHALUPATRA SAND BEDAT:- BRAHMANITARANG, KHATA NO-46, PLOT NO-1/1 & 1/2, KISSAM- NADI, 22° 15' 02.56"N TO 22° 15' 11.73"N AND LONGITUDES OF 84°43' 04.95"E TO 84°43' 28.99"E.	4.45	
D4	SANKH RIVER	BELDIHI SANDBED-II,AT:- BELDIHI,KHATA NO-146, PLOT NO- 1/P, NADI- KISSAM, 22° 15' 03.2"N TO 22° 15' 09.8"N AND LONGITUDES OF 84°46' 32.9"E TO 84°46' 42.6"E.	4.046	
D5	SANKH RIVER	LUNGEI SANDBED,,AT:- KALUNGA,KHATA NO-80, PLOT NO- 1/P, KISSAM- NADI, 22° 14' 51.78"N TO 22°14' 57.71"N AND LONGITUDES OF 84°46' 05.26"E TO 84°46' 23.12"E.	4.04	
D6	BRAHMANI RIVER	BALANI SAND BED ,AT:- LATHIKATA,KHATA NO-127, PLOT NO- 1161/1, KISSAM- NADI, 22° 05' 28.58"N TO 22° 05' 36.14"N AND LONGITUDES OF 84°52' 18.80"E TO 84°52' 32.14"E.	4.85	
D7	BRAHMANI RIVER	TAINSER SAND BED,AT:- TAINSER, KHATA NO-229, PLOT NO- 463/P, KISSAM- NADI, LATITUDES OF 22°05'51.79"N TO 22°05'59.36"N AND LONGITUDE OF84°51'09.74"E TO 84°51'20.04"E	4.047	196 (FOR 2023 FY)
E1	BRAHMANINADI "KHA"	TUMKELA SAND BED,KHATA NO-01, PLOT NO-31/P, KISSAM-NADI, LATITUDE- 21 49' 44.83" N TO 21 49' 54.89" N AND LONGITUDE- 84 56' 00.07" E TO 84 56' 11.30" E	4.92	
E2	BRAHMANINADI "KHA"	KENAPALI SAND BED,KHATA NO-1 PLOT NO-41/P KISSAM-NADI AREA-AC. 12.35 LATITUDE-21°50'32.04" N TO 21°50'41.18" N LONGITUDE- 84°56'46.00" E TO 84°56'54.49" E	5	
E3	BRAHMANINADI "KHA"	LUTHURBA SAND BEDKHATA NO-1 PLOT NO-12/P,10/P,11/P,09/P KISSAM-NADI AREA-AC. 12.35 LATITUDE-21°50'19.31" N TO 21°50'28.41" N LONGITUDE- 84°53'42.95" E TO 84°53'54.25" E	5	
E4	BRAHMANINADI "KHA"	DIGI SAND BEDKHATA NO-1 PLOT NO-92/P KISSAM-NADI AREA-AC. 12.35 LATITUDE-21°46'43.5" N TO 21°46'53.4" N LONGITUDE- 84°58'39.5" E TO 84°58'49.7" E	4.997	
F1	BRAHMANI RIVER	KUCHEITA SAND BED,MOUZA- KUCHEITA, KHATA NO. 78 (A.A.A.), PLOT NO. 121/799/P, KISSAM- NADI, AREA-AC.12.35DEC. (5.00HA.)	4.99	
F2	BRAHMANI RIVER	NARENDRA SAND BED- 2,MOUZA- BRAHMANI NADI"KHA", KHATA NO. 1(A.A.A.), PLOT NO. 18/P, KISSAM- NADI, AREA- AC.19.80DEC. 21°49'34.62"N TO 21°49'49.37"N AND LONGITUDE OF 84°54'39.82"E TO 84°54'46.46"E.	8.012	
F3	BRAHMANI RIVER	BARTENGDA SAND BEDMOUZA- BRAHMANI NADI"GA", KHATA NO. 1, PLOT NO. 14/P, KISSAM- NADI, AREA-AC.12.35DEC. (5.00HA.), LATITUDE OF 21°53'12.98" TO 21°53'02.51" AND LONGITUDE OF 84°51'15.67" TO 84°51'07.61"	4.997	

F4	BRAHMANI RIVER	RANIAMRABATIPUR SAND BEDMOUZA- BRAHMANI NADI "GA", KHATA NO. 1, PLOT NO. 11/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 21°53'18.43"N TO 21° 53'27.69"N AND LONGITUDE OF 84°51'01.02"E TO 84°51'07.09"E	4.998	
F5	BRAHMANI RIVER	CHHIDI SAND BED,MOUZA- CHHIDI, KHATA NO. 49, PLOT NO. 456/486/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 22° 03'48.94"N TO 22° 03'57.12"N AND LONGITUDE OF 84°53'02.28"E TO 84°53'11.53"E	5	10378.1 (FOR 2023 FY)
F6	BRAHMANI RIVER	PITAGAON SAND BEDMOUZA- BRAHMANI NADI "KA", KHATA NO. 1, PLOT NO. 5/P, 6/P, KISAM- NADI, AREA- AC.4.35DEC. & AC.8.00DEC., TOTAL= AC.12.35DEC.(5.00HA.), LATITUDE OF 22°01'45.42"N TO 22°02'09.10"N AND LONGITUDE OF 84°52'27.98"E TO 84°52'35.46"E	4.99	2614 (FOR 2023 FY)
G1	DEO RIVER	TETERKELA SAND BEDKHATA NO.84, PLOT NO.526/527/1, LATITUDES OF 22°17'38.29"N TO 22°17'47.72"N AND LONGITUDE OF 84°58'41.64"E TO 84°58'54.05"E	4.662	4470 (FOR 2022 FY)
G2	DEO RIVER	GOPPUR SAND BEDKHATA NO-102, PLOT NO-638/1, LATITUDE OF 22°22'28.96"N TO 22°22'55.49"N AND LONGITUDE OF 84°54'59.03"E TO 84°55'05.83"E	4.653	15648 (FOR 2023 FY)
G3	DEO RIVER	LANKOI SAND BEDK.NO. 137 PLOT NO. 712/1459/1 AC.8.62 PLOT NO. 620/1458 AC.3.28 TOTAL AC. 11.90LATITUDE OF 22° 19'20.20"N TO 22° 19'47.32"N AND LONGITUDE OF 84°56'32.07"E TO 84°56'41.33"E	4.815	970 (FOR 2023 FY)
G4	DEV RIVER	JAHARITOLI SAND BEDK.NO. 67 PLOT NO. 459/1 AC.1.50 PLOT NO. 460/1 AC. 10.28 TOTAL AC.11.78 , LATITUDE OF 22° 23'47.77"N TO 22° 24'04.09"N AND LONGITUDE OF 84°54'37.04"E TO 84°54'43.44"E	4.767	
G5	IB RIVER	DALKI SAND BEDDALKI , KHATA NO.203, PLOT NO.756/1708/P, AC.10.00, KISAM-NADI, LATITUDES OF 22°18'44.19"N TO 22°18'49.95"N AND LONGITUDE OF 84°31'06.33"E TO 84°30'56.65"E	4.046	
H1	IB RIVER	GHOGHAR SAND BED-B KHATA NO.171 PLOT NO.457/P, AC.7.00, LATITUDE 22°20'19.1"N TO 22°20'27.2"N, LONGITUDE 83°59'35.3"E TO 83°59'40.3"E	2.833	
H2	IB RIVER	KUSUMURA SAND BEDKUSUMURA, KH NO. 203, PLOT NO. 1281/P, KISAM- NADI, AC. 12.00LATITUDE 22°19'26.652" TO 22°19'34.356"N, LONGITUDE – 83°59'51.756" TO 83°59'58.308E	4.856	
H3	IB RIVER	BANKIDIHI SAND BED,BANKIDIHI, KH NO- 48, PLOT NO. 270/457/P, KISAM- NADI, AC.10.45, LATITUDE 22°20'49.62" TO 22°21'0.07"N, LONGITUDE – 83°59'2.01" TO 83°59'12.28"E	4.228	
H4	IB RIVER	TELIJORE SAND BEDTELIJORE, KH NO- 179, PLOT NO- 1759/P, KISAM-NADI, AC.8.30, LATITUDE 22°21'13.943" N TO 22°21'22.732" N, LONGITUDE – 83°58'46.931"E TO 83°58'55.844"E	3.358	
H5	UTTALI	LULKIDIHI SAND BEDLULKIDIHI, KH NO- 549,PLOT NO- 2202/4515, KISAM- NADI, AC.7.21, LATITUDE 22°31'26.87" TO 22°31'47.91" N, LONGITUDE – 83°59'9.72" TO 84°59'48.78"E	2.917	
H6	IB RIVER	GHOGHAR SAND BED (A)GHOGHAR , KH NO. 171, PLOT NO. 1416/1460/P, KISAM- NADI, LAT- 22°19'26.652" TO 22°19'34.356", LONG- 83°59'51.756" TO 83°59'58.308	2.023	
H7	IB RIVER	KAINTARA SAND BEDKAINTARA , KH NO. 111, PLOT NO. 1074/1329/P, KISAM- NADI, LAT- 22°18'45.93" TO 22°18'50.86", LONG-84°00'51.94" TO 84°00'58.28	0.93	
I1	"SANKHA RIVER"	CHUNGIMATI SAND BED,MOUZA: CHUNGIMATI KHATA NO:93 PLOT NO. 507 KISAM : NADI, LATITUDE OF 22°14'15.29"N TO 22°14'17.90"N AND LONGITUDE OF 84°41'18.74"E TO 84°41'26.75"E	3.642	15414(FOR 2022 FY)
J1	IB RIVER	SUBALAYA SAND BED KHATA NO-153, PLOT NO- 118,1314,439,491/P, LATITUDE 22°7'52.22" TO 22°8'33.27"N, LONGITUDE 84°4'25.28" TO 84°5'15.22"	4.908	

J2	IB RIVER	JAISAR SAND BED,KHATA NO-190, PLOT NO-1/1, 113/1, KISAM- NADI, LATITUDES OF 22°16'38.57" TO 22°16'50.05" N AND LONGITUDES OF 84°03'27.01" TO 84°03'34.62"	4.208	
J3	IB RIVER	GAILO SAND BED,KHATA NO-145, PLOT NO-1083/P, KISAM- NADI, LATITUDE N22°15'16.02" TO 22°15'25.04" LONGITUDE E85°04'34.06" TO 85°04'44.09"	3.643	
J4	IB RIVER	BHOJPUR SAND BED,KHATA NO-69, PLOT NO-1, KISAM-NADI, LATITUDE N22 8'21.4" TO N22 08'35.2" LONGITUDE E 84°03'26.03" TO 84°03'31.09"	4.858	
J5	IB RIVER	KANIKA SAND BED,KHATA NO-67, PLOT NO-814/831, LATITUDE 22009'31.27" N TO 22009'40.32" N, LONGITUDE 84005'08.13"E TO 84005'22.34"E	4.856	
J6	IB RIVER	MALIDIHI SAND BED, KHATA NO-49, PLOT NO-01/P, LATITUDE 22°09'31.27" TO 22°09'40.332" N, LONGITUDE 84°05'08.13" TO 84°05'22.34"E	4.856	
J7	IB RIVER	BARPALI SAND BEDKHATA NO-69, PLOT NO-874/P, KISAM-NADI, LATITUDE 22°18'41.60" TO 22°18'51.60"N LONGITUDE 84°1'3.40" TO 84°1'12.50" &	4.047	
J8	IB RIVER	BHAGAPALI SAND BEDKHATA NO-71, PLOT NO-1/P, KISAM-NADI, LATITUDE 22 12'53.91"N TO 22 13'03.67"N LONGITUDE 84 05'47.66"E TO 84 05'56.46"E	2.023	
J9	IB RIVER	KUKURIDIHI SAND BED KHATA NO-172, PLOT NO-1/P, KISAM-NADI, LATITUDE 22 15'10.95"N TO 22 15'16.92"N LONGITUDE 84 04'34.26"E TO 84 04'40.98"E	1.41	
J10	IB RIVER	GILKUDAR SAND BEDKHATA NO-20, PLOT NO-1/P,KISAM-NADI, LATITUDE 22 10'33.0"N TO 22 10'42.0"N LONGITUDE 84 06'04.9"E TO 84 06'13.4"E	4.047	
K1	ICHHA	SURGUDA SANDKHATA NO-173, PLOT NO-607, KISAM-NADI, LATITUDE OF 22°06'17.84" TO 22°06'33.60" N AND LONGITUDE OF 83°49'57.72" TO 83°50'37.48"E.	19.546	
K2	ICHHA	LEPHRIPARA SAND,KHATA NO-245, PLOT NO-1636/2145, 1682/1 KISAM-NADI, LATITUDE OF 22 06'58.98"N TO 22°06'58.98" TO 22°07'11.35" N AND LONGITUDE OF 83°48'09.40" TO 83°48'38.98"E.	8.36	
K3	ICHHA	LUTHURKEND SANDKHATA NO-30,14,68,459, PLOT NO-65 KISAM-NADI, LATITUDE OF 22009'19.60"N TO 22009'29.45"N AND LONGITUDE OF 83043'04.63"E TO 83043'28.02"E	3.286	
L1	BRAHAMANI NADI	KOLASAH SAND MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 60/P, LATITUDES - FROM 21°49'12.00" TO 21°49'18.76" N, LONGITUTES-84°57'55.98" TO 84°57'48.14"	4.77	
L2	BRAHAMANI NADI	SABARA SANDMOUZA- SABARA(BRAHAMANI NADI), KHATA NO- 36, PLOT NO.- 15/551	2.42811	
L3	BRAHAMANI NADI	SANGAGUA SAND"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 116/P & 117/P, LATITUDE -21°44'17.58" TO 21°44'25.03", LONGITUTE-84°56'32.01" TO 84°56'39.71"	3.24	
L4	BRAHAMANI NADI	BALIATOTA SANDMOUZA- BRAHAMANI "KHA"KHATA NO- 1, PLOT NO.- 56/P,KISSAM- NADI, LONG- 84°57'53.05" TO 84°57'58.48" LAT- 21°49'34.84" TO 21°49'41.41"	2.05	
L5	BRAHAMANI NADI	TENDRA-II SAND BEDMOUZA- BRAHAMANI "KHA"KHATA NO- 1, PLOT NO.- 149/P, 151/P, KISSAM-NADI, LATITUDES OF 21°41'14.76"N TO 21°41'29.13"N AND LONGITUDE OF 84°56'51.27"E TO 84°56'56.88"E	5	15000 (FOR 2024 FY)
L6	BRAHAMANI NADI	DEOGAON-II SAND BEDMOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 34/P, 35/P, KISSAM-NADI	5	
L7	BRAHAMANI NADI	KULANGE BASTI SAND BED,MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 63/P, 64/P, KISSAM-NADI, LATITUDE OF 21 0 48'39.37" N TO 21 0 48'52.49" N AND LONGITUDE OF 84 057'51.40"E TO 84 057'57.99"E	5	

L8	BRAHAMANI NADI	BADGAON SAND BEDMOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 147/P, 148/P, KISSAM-NADI, LATITUDES OF 21°41'39.13"N TO 21°41'49.74"N AND LONGITUDE OF 84°56'38.68"E TO 84°56'42.28"E	4.97	
L9	BRAHAMANI NADI	GILLI SAND BED,MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 134/P,KISSAM-NADI,LAT OF 210 42'09.92"N TO 210 42'19.68"N AND LONG OF 84054'22.31"E TO 84054'33.79"E	4.94	11023 (FOR 2023 FY)
L10	BRAHAMANI NADI (UPURDA)	UPURDA SAND"MOUZA- BRAHAMANI ""KHA"", KHATA NO- 1, PLOT NO.- 69/P, 70/P"LATITUDE OF 210 47'55.02"N TO 210 48'12.78"N AND LONGITUDE OF 84058'03.15"E TO 84058'06.91"E	5	17340 (FOR 2022 FY)
L11	BRAHAMANI NADI (CHANDIPOSH)	CHANDIPOSH SAND"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 98/P, 101/P,102/P", LATITUDE OF 21°43'52.77" TO 21°44'05.79" AND LONGITUDE OF 84°68'19.20" TO 84°68'49.49"	5	1800 (FOR 2024 FY)
L12	BRAHAMANI NADI (TENDRA)	TENDRA SAND"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 143, 141, LATITUDE OF 21041'55.58"N TO 21042'03.22"N AND LONGITUDE OF 84055'27.09"E TO 84055'55.85"E	5	14584 (FOR 2023 FY)
L13	BRAHAMANI NADI (BONEIKELA)	BONEIKELA SAND"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 128, LATITUDE- 21°43'20.25" N TO 21°43'28.21"N, LONGITUTE- 84°54'50.26"E TO 84°54'04.28"E	5	15314 (FOR 2023 FY)
M1	BRAHAMANI RIVER	TARKERA SAND-3 VILLAGE-TARKERA,KHATA NO.22,PLOT NO.424/1289/P THE LEASE AREA IS BOUNDED BY 22°12'36.3"N 84°48'49.0"E 22°15'39.8"N 84° 49' 10.7"E	4.856	
M2	KOEL RIVER,	LUAKERA SAND VILLAGE-LUAKERA,RTU-07,KHATA NO.78,PLOT NO.247/755/P BOUNDED BY N22°16'06.5" TON22°16'10.7" LATTITUDE & E84°48'29.5"TOE84°48'47.8"LONGITUDE	4.856	
M3	KOEL RIVER	KOELNAGAR SAND RTU-27KHATA NO.174,PLOT NO.96/383/P 1.22°16'04.79"N 84°53'26.11"E 2.22°16'07.39"N84°53'24.60"E 3.22°16'19.50"N84°53'36.78"E 4.22°16'16.68"N84°53'39.43"E	4.77	3117 (FOR 2023 FY)
M4	KOEL RIVER	TUMKELA SAND,VILLAGE-TUMKELA KHATA NO.02 ,PLOT NO.312/339/P , LATITUDE OF 22016'28.20"N TO 22016'33.70"N AND LONGITUDE OF 84050'36.10"E TO 84050'52.10"E.	6.474	
M5	BRAHAMANI RIVER	TARKERA SAND-2,VILLAGE-TARKELA,KHTA NO.109,PLOTNO.461/553/P THE LEASE AREA IS BOUNDED BY 22°12'36.0"N 84°48'14.82 9.7"E & 22°15' 41.9",84°48' 50.7"E	4.844	
M6	BRAHAMANI RIVER	TARKERA SAND-1,KHATA NO-109, PLOT NO-63/548/P, 410/549/P, 410/552/P,410/551/P,410/550/P, KISSAM-NADI, LATITUDE OF 22012'40.1"N TO 22015'49.80"N AND LONGITUDE OF 84048'14.8"E TO 84048'30.40"E.	3.379	
M7	KOEL RIVER	PRADHANPALI SAND BED,VILLAGE-PRADHANPALI,RTU-1,KHATA- 138,PLOT NO.1/1196 1. LONG-84°47'29.99" TO 84°47'25.81" , LAT-22°15'49.05" TO 22°15'39.59"	3.237	1350 (FOR 2023 FY)
N1	KOEL RIVER	JAMSER-II SAND BED , KHATA NO-38, PLOT NO-59/331, KISSAM-NADI, 5.00HA, LATITUDE OF 22016'31.65"N TO 22016'35.65"N AND LONGITUDE OF 84054'44.65"E TO 84055'01.23"E.	5	16089 (FOR 2023 FY)
N2	KOEL RIVER	KUNDAPOSH SAND BED KHATA NO-34, PLOT NO-1/386/P, ERLA ,KHATA NO-54, PLOT NO-1/632/P, KISSAM-NADI, LAT-22°19'34.40" TO 22°19'41.73" N LONG-85°04'24.37" TO 85°04'39.64"E	4.997	
N3	KOEL RIVER	JABAGHAT SAND BED,JABAGHAT , KHATA NO-86, PLOT NO-1/P, KISSAM-NADI, 5.00HA, 22016'32.73"N TO 22016'41.70"N AND LONGITUDE OF 84055'39.33"E TO 84055'56.27"E.	5	8310 (FOR 2022 FY)

N4	KOEL RIVER	BAD BAMBUA & MASURIKUDAR SAND BED,MAUZA-BADBAMBUA ,KHATA NO-88, PLOT NO-1/805/P, KISAM-NADI, MAUZA-MASURIKUDAR, KHATA NO-73, PLOT NO-1/P, KISAM-NADI, 5.00HA, 22019°36.79"N TO 22019°44.21"N AND LONGITUDE OF 85001°52.92"E TO 85002°05.34"E.	5	
N5	KOEL RIVER	KHATANGKUDAR & UDUSU SAND BED,KHATANGKUDAR , KHATA NO-21, PLOT NO-9/134/P, UDUSHU, KHATA NO-139, PLOT NO-1/1668/P, KISAM-NADI, 4.997HA, LATITUDE OF 22017°21.45"N TO 22017°34.54"N AND LONGITUDE OF 84059°20.79"E TO 84059°32.22"E.	4.997	
O1	SANKH RIVER	PADMAPUR SAND BED-I,PADMPUR,KH-138 PL.NO.-422/812/P LATITUDE OF 22015°00.73"N TO 22015°13.06"N AND LONGITUDE OF 84046°12.86"E TO 84046°45.65"E	9.55	
O2	SANKH RIVER	PADMAPUR SAND BED-II,PADAMPUR , KHATA NO-138, PLOT NO-374/813/P,12.00AC,KISAM-NADI,84°45'36.85" TO 84°45'53.15" 22°15'02.36" TO 22°15'07.48"	4.856	
O3	SANKH RIVER	PADMAPUR SAND BED-III,PADMPUR, KH-138 PL.NO.-374/813/P, KISAM-NADI, 84°45'29.24" TO 84°45'50.89" 22°15'09.06" TO 22°15'13.64"	4.856	
O4	SANKH RIVER	KUARMUNDA SAND BED-I,KUARMUNDA KHATA NO-397, PLOT NO-2876/P, 12.00AC, KISAM-NADI, LATITUDE OF 22016°01.87"N TO 22016°07.48"N AND LONGITUDE OF 84047°35.66"E TO 84047°59.29"E.	4.856	4575 (FOR 2023 FY)
O5	SANKH RIVER	KUARMUNDA SAND-II, KHATA NO-397, PLOT NO-2879/P, 8.00AC, KISAM-NADI, LATITUDE OF 22015°16.29"N TO 22015°25.76"N AND LONGITUDE OF 84047°40.92"E TO 84047°49.52"E.	3.237	1354 (FOR 2023 FY)
O6	SANKH RIVER	USHRA GHAT-I SAND BED, KHATA NO-263, PLOT NO-2256/P, KISAM-NADI, 4.856HA, LATITUDE OF 22014°54.17"N TO 22015°03.00"N AND LONGITUDE OF 84042°19.45"E TO 84042°32.88"E.	4.856	
O7	SANKH RIVER	USHRA SAND BED-II,USHRA GHAT, KHATA NO-263, PLOT NO-2364/P, KISAM-NADI, 4.856HA, LATITUDE OF 22014°36.36"N TO 22014°48.01"N AND LONGITUDE OF 84042°02.51"E TO 84042°11.90"E.	4.856	
O8	SANKH RIVER	CHANDIPOSH SAND BED, KHATA NO-47, PLOT NO-159/P, KISAM-NADI, 4.856HA, LATITUDE OF 22°15'10.32"N TO 22°15'16.96"N AND LONGITUDE OF 84°44'07.39"E TO 84°44'16.16"E.	4.856	6186 (FOR 2023 FY)
O9	KOEL RIVER	BIJUBANDH SAND BED,BIJUBANDH, KHATA NO-58, PLOT NO-216/P, 12.00AC., KISAM-NADI, LATITUDES OF 22°16'37.70"N TO 22°16'43.71"N AND LONGITUDE OF 84°50'56.76"E TO 84°51'09.97"E.	4.856	4084 (FOR 2024 FY)
O10	SANKHA RIVER	SARANDAPOSH SAND BED,SARANDAPOSH,KH.NO.-84,PL.NO.479/P, KISAM-NADI, 84°45'03.78" TO 84°45'22.48" 22°15'09.34" TO 22°15'14.47"	4.046	
O11	KOEL RIVER	PASARA SAND BED,KHATA NO-81, PLOT NO-838/P, KISAM-NADI, LATITUDE OF 22°16'08.3"N TO 22°16'15.2"N AND LONGITUDE OF 84°52'11.2"E TO 84°52'51.8"E.	4.78	
O12	SANKHA RIVER & KOEL RIVER	JAMUNANAKI SAND BED-II,KHATA NO-75, PLOT NO-405/1, 405/415/P, KISAM-NADI, LATITUDES OF 22°14'40.16"N TO 22°14'29.62"N AND LONGITUDE OF 84°47'37.78"E TO 84°47'52.82"E	6.59	
P1	SANKH RIVER	TARKERA SAND BED-I, KHATA NO-155, PLOT NO-528/P,KISAM-JALA BHANDAR , 9.10AC, PLOT-528/1304P, KISAM-NADI, 2.14AC, LATITUDE OF 22°20'40.24" TO 22°20'55.13" N AND LONGITUDE 84°29'52.49" TO 84°30'00.36"E	4.548	
P2	SANKH RIVER	TARKERA SAND BED-IITARKERA , KHATA NO-154, PLOT NO-931/1309/P, 6.80AC, KISAM-JALA BHANDAR , LATITUDE OF 22°19'52.27" TO 22°19'58.67" N AND LONGITUDE OF 84°30'08.07" TO 84°30'15.09"E.	2.751	
P3	SANKH RIVER	SAMLEIMUNDA SAND BED-ISAMALEIMUNDA , KHATA NO-158, PLOT NO-706/2156/P, 6.30AC, KISAM-JALA BHANDAR , LATITUDE OF 22019°31.62"N TO 22019°36.10"N AND LONGITUDE OF 84029°58.22"E TO 84030°05.47"E.	2.55	

P4	SANKH RIVER	UDURMA SAND BED-I,UDURMA , KHATA NO-144, PLOT NO-1/P, KISAM-NADI, LATITUDE OF 21°21'36.99" TO 21°21'46.71"N AND LONGITUDE 84°29'2.32" TO 84°28'57.06"E.	4.87	
P5	SANKH RIVER	LAXMIPOSH SAND BED-ILAXMIPOSH KHATA NO-85, PLOT NO-683/1289/P, KISAM- JALA BHANDAR, LATITUDE OF 22°18'35.99" TO 22°18'39.80" N AND LONGITUDE OF 84°31'03.26" TO 84°31'13.50"E.	2.088	
O11	KOEL RIVER	PASARA SAND BED,KHATA NO-81, PLOT NO-838/P, KISAM-NADI, LATITUDE OF 22°16'08.3"N TO 22°16'15.2"N AND LONGITUDE OF 84°52'11.2"E TO 84°52'51.8"E.	4.78	
O12	SANKHA RIVER & KOEL RIVER	JAMUNANAKI SAND BED-II,KHATA NO-75, PLOT NO-405/1, 405/415/P, KISAM-NADI, LATITUDES OF 22°14'40.16"N TO 22°14'29.62"N AND LONGITUDE OF 84°47'37.78"E TO 84°47'52.82"E	6.59	23074 (FOR 2022 FY)
O13	KOEL RIVER	BIJUBANDH SAND BED-I,BIJUBANDH, KHATA NO-58, PLOT NO-92/P1,92/P2, 8.00AC., KISAM-NADI, LATITUDES - AND LONGITUDE-	3.237	
P1	SANKH RIVER	TARKERA SAND BED-I, KHATA NO-155, PLOT NO-528/P,KISAM-JALA BHANDAR , 9.10AC, PLOT-528/1304P, KISAM-NADI, 2.14AC, LATITUDE OF 22°20'40.24" TO 22°20'55.13" N AND LONGITUDE 84°29'52.49" TO 84°30'00.36"E	4.548	
P2	SANKH RIVER	TARKERA SAND BED-IITARKERA , KHATA NO-154, PLOT NO-931/1309/P, 6.80AC, KISAM-JALA BHANDAR , LATITUDE OF 22°19'52.27" TO 22°19'58.67" N AND LONGITUDE OF 84°30'08.07" TO 84°30'15.09"E.	2.751	
P3	SANKH RIVER	SAMLEIMUNDA SAND BED-ISAMALEIMUNDA , KHATA NO-158, PLOT NO-706/2156/P, 6.30AC, KISAM-JALA BHANDAR , LATITUDE OF 22°19'31.62"N TO 22°19'36.10"N AND LONGITUDE OF 84°29'58.22"E TO 84°30'05.47"E.	2.55	
P4	SANKH RIVER	UDURMA SAND BED-I,UDURMA , KHATA NO-144, PLOT NO-1/P, KISAM-NADI, LATITUDE OF 21°21'36.99" TO 21°21'46.71"N AND LONGITUDE 84°29'2.32" TO 84°28'57.06"E.	4.87	
P5	SANKH RIVER	LAXMIPOSH SAND BED-ILAXMIPOSH KHATA NO-85, PLOT NO-683/1289/P, KISAM- JALA BHANDAR, LATITUDE OF 22°18'35.99" TO 22°18'39.80" N AND LONGITUDE OF 84°31'03.26" TO 84°31'13.50"E.	2.088	

07. GENERAL PROFILE OF THE DISTRICT.

Sundargarh District was constituted on the 1st January, 1948, out of the two ex-States of Gangpur and Bonai, which merged with Odisha on that day. True to its name, this beautiful District of Sundargarh with about 43 percent of its total area under forest cover and numerous colourful tribes dotting its landscape and with abundant mining potential is bounded by Ranchi District of Jharkhand on the North, Raigarh District of Chhatisgarh on the west and North West, Jharsuguda, Sambalpur and Angul Districts of Odisha on the South and South East and Singhbhum District of Jharkhand and Keonjhar District of Odisha on the east.

Sundargarh is recognized as an industrial district in the map of Odisha. Steel Plant, Fertilizer Plant, Cement factory, Ferro Vanadium Plant, Machine building factory, Glass and china clay factory and Spinning mills are some of the major industries of this District. Sundargarh occupies a prominent position in the mineral map of Odisha and is rich in iron ore, limestone, manganese, dolomite, and fire clay. Major industries are the Odisha Cements Ltd, Hart Fertilizers Ltd, and Odisha Industries Ltd.

Sundargarh District has 3 sub divisions, 16 Tehsils, 17 Blocks and 262 Gram panchayats. Topographically, this district is located between latitude 21 degree 36' N to 22 degree 32' N and longitude 83 degree 32' E to 85 degree 22' E. The population of this District is 2,080,664, this being the fifth most populous District of the state. Its rural population exceeds twelve lakhs and the urban population is more than six lakhs. The male literacy rate is 82.13 and female literacy rate in the District is 65.93.

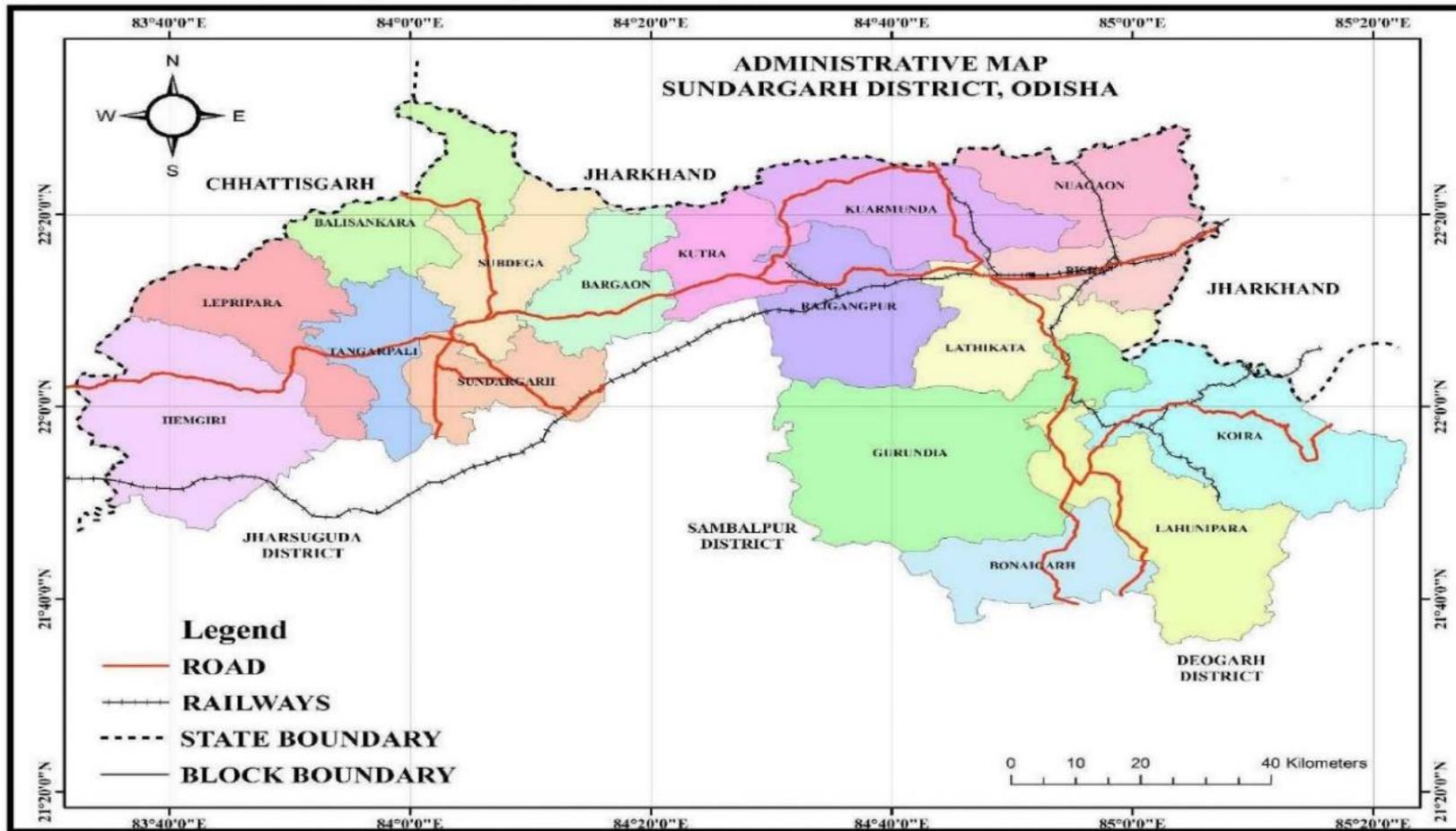
The climate of this District is characterized by extremely hot summers and cool winters. Climate is hot & moist sub humid. Normal rainfall of the District is approximately 1230 mm, but there is a deviation in receipt of rainfall pattern which is influencing crop production.

The education circle of Sundargarh revenue District was bifurcated from Sundargarh to Sambalpur education circle and came to existence since 1968 with area of operation within the geographical territory of Sundargarh revenue District. There are several educational institutions in Sundargarh District. National Institute of Technology NIT at Rourkela, Government college Rourkela, S.G. Women's College Rourkela etc are prominent among them.

Sundargarh District celebrates many festivals around the year. Important festivals of the District are Nuakhai, Rath Yatra, Ramanavami and Nama Sankirtana. Nama Sankirtana is a form of worshipping Lord Krishna and Lord Rama in a gathering.

Sundargarh District is one of the tourist attraction spots of Odisha. The District is visited by a large number of tourists round the year. Places like Rourkela, Vedavyasa, Manikmonda, Mandindra dam, Ghogar, Khandadhar and Darjeeng are the important tourist spots of the district.

Administrative Map of Sundargarh District, Odisha.



08. LAND UTILIZATION PATTERN IN THE DISTRICT: FOREST, AGRICULTURE, HORTICULTURE, MINING ETC.

Sundargarh, a district located in the Indian state of Odisha, has a diverse land use pattern due to its varied topography, natural resources, and socio-economic factors. The geographical area of the district is 9,71,200 hect. Here's a general overview of the land utilization pattern of the district :

Forest Cover: Sundargarh is known for its rich forest resources. Around 50.06% of the total land is covered by forests, including tropical and deciduous forests. These forests are not only crucial for biodiversity conservation but also serve as a source of livelihood for many tribal communities residing in the district. The forest areas of Sundargarh district fall under the supervision of three forest divisions: Bonai Forest Division, Rourkela Forest Division, and Sundargarh Forest Division. The distribution of forest land within these divisions is as follows:

Category of Forest areas in Rourkela Forest Division			
Category of Forest	Number of Blocks	Area (in Ha.)	Percentage
Reserved Forest	86	65437.7481	59.7
Proposed Reserved Forest	17	2278.8290	2.1
Demarcated Protected Forest	36	3697.379	3.4
Village Forest	35	229.168	0.2
Protected Forest	29	1595.899	1.1
DLC Forest	435 Village	20875.092	19.0
Revenue Forest	269 Village	15929.713	14.5
Total Forest area		110043.8281	100.0

Category of Forest areas in Sundargarh Division			
Category of Forest	Number of Blocks	Area (in Ha.)	Percentage
Reserved Forest	94	101186.88	58.51
Proposed Reserved Forest	26	5580.80	3.23
Demarcated Protected Forest	92	14876.85	8.60
Village Forest	146	1048.098	0.61
Protected Forest	11	567.3056	0.33
DLC Forest	216	4335.86	2.51
Revenue Forest (Other than DLC)	0	45342.23	26.22
Total Forest area		172938.024	100.00

Category of Forest areas in Bonai Forest division.			
Category of Forest	Number of Blocks	Area (in Ha.)	Percentage
Reserved Forest	45	1,02,894.567	50.62
Proposed Reserved Forest	41	34,105.896	16.78
Demarcated Protected Forest	25	5849.793	2.88
Village Forest	32	166.790	0.08
Protected Forest	30	577.464	0.28
DLC Forest	406	37291.831	18.35
Revenue Forest (Other than DLC)	-	61.731	0.03
Reserved Forest	186	22,331.549	10.99
Total Forest area		203279.621	100

Agricultural Land: Agriculture is a predominant land use in Sundargarh. Out of the total area 10.7% of area used as Agriculture land. The fertile plains and valleys support the cultivation of a variety of crops such as rice, pulses, oilseeds, and vegetables. Traditional agricultural practices are prevalent, although efforts are being made to introduce modern farming techniques for improved productivity.

Block Wise Land Utilisation Pattern in Sundargarh District

Sl. No.	Blocks	Geographical Area (In Ha)	Cultivated Area (In Ha)				Paddy Area	Non-Paddy Area
			High	Medium	Low	Total		
1	Hemgir	93238	10887	5064	2833	19324	12916	6408
2	Lephripara	64022	8908	4263	3003	16174	10371	5803
3	Tangarpali	24966	8800	6027	2424	17251	11765	5486
4	Sundargarh	35988	8529	7906	2741	19176	13285	5891
5	Subdega	32428	6810	4526	5271	16607	10739	5868
6	Balisankara	108476	8548	4074	5796	18418	12135	6283
7	Bargaon	35661	7750	5234	3330	16314	10564	5750
8	Kutra	31885	10367	6281	2785	19433	10896	8537
9	Rajgangpur	34897	12342	3583	2940	18865	10608	8257
10	Lathikata	74904	11025	10690	2980	24695	18338	6357
11	Kuarmunda	57672	11966	6755	3798	22519	15668	6851
12	Nuagaon	38888	20176	3856	3448	27480	21265	6215
13	Bisra	22560	6526	1057	1781	9364	5488	3876
14	Bonai	27077	7476	6621	2991	17088	11271	5817
15	Lahunipara	77768	9970	6520	2754	19244	13098	6146
16	Koida	84940	6665	4594	3010	14269	9538	4731
17	Gurundia	125874	6255	7409	3115	16779	11055	5724
ADO Bonai		315659	30366	25144	11870	67380	44962	22418
G.Total		971244	163000	95000	55000	313000	209000	104000

Horticulture Land: Horticulture plays a significant role in the agricultural landscape of Sundargarh district, contributing to both the local economy and food security. Sundargarh district is conducive to the cultivation of a variety of fruits due to its favorable climate and soil conditions. Mango, banana, guava, citrus fruits, papaya, and pineapple are some of the commonly grown fruits in the region. A wide range of vegetables, including tomatoes, potatoes, onions, leafy greens, and root vegetables, are cultivated through both traditional and modern farming practices. Vegetable cultivation often takes place in small plots of land, both in rural and peri-urban areas. Turmeric, ginger, garlic, and chili peppers are some of the spices and condiments grown in the district.

Horticultural Land Utilisation Pattern in Sundargarh District

Vegetable			Fruit crops			Ornamental Crops		
Sl. No.	Name of crop	Area covered in ha.	Sl. No.	Name of crop	Area covered in ha.	Sl. No.	Name of crop	Area covered in ha.
1	Okra	4284.6	1	Anala	60.8	1	Gerbera	0
2	Onion	1886	2	Bael	602.4	2	Gladioli	0
3	Pea	669	3	Banana	644.3	3	Marigold	176.8
4	Pointed Gourd	101.8	4	Ber	604.1	4	Rose	65
5	Potato	2037	5	Guava	930	5	Tuberose	0
6	Radish	623.5	6	Jack Fruit	900	Total Area		
7	Leafy Vegetables	762	7	Litchi	1032.7	241.8		
8	Sweet Potato	3085.4	8	Mango	9966.45	Spice Crops		
9	Tapioca	26.65	9	Papaya	255	1	Betelvine	0
10	Tomato	3036.5	10	Pineapple	60	2	Coriander	356.1
11	Other Gourds	2077.6	11	Pomegranate	39.1	3	Ginger	800
12	Cowpea & YLB	828.4	12	Sapota	23.8	4	Turmeric	211.5
13	Other Root Crops	850	13	Other Fruit Crops	2325.08	5	Other spices	644
14	Other Vegetables	1189	14	K.Lime	1603.9	6	Chilli (green)	5255.05
15	Beans	460.68	15	Other Citrus	65	Total Area		
16	Bitter Gourd	544.3	Total Area			7266.65		
17	Bottle Gourd	1039.8	19112.63			Plantation Crops		
18	Brinjal	4176.5	1	Areca nut	0			
19	Cabbage	1844	2	Oil Palm	0			
20	Capsicum	28.9	3	Cashew Nuts	2227.4			
21	Carrot	2.5	4	Coconut	547.2			
22	C.Flower	15.52	Total Area			2774.6		
23	Cucumber	100.6						
24	PumPkin	794.9						
25	Watermelon	410.9						
26	Muskmelon	0.54						
27	Garlic	482.8						
Total Area		31359.39						

Mining and Industrial Zones: Sundargarh is rich in mineral resources, particularly iron ore, manganese, and limestone. Consequently, mining activities play a significant role in the district's economy. Industrial zones, including steel plants and related industries, are established in areas with abundant mineral deposits. However, the environmental impact of mining and industrial activities is a concern. Major mineral area details are given in the over view of mining activities chapter.

09. PHYSIOGRAPHY OF THE DISTRICT.

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

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

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

Among the ridges mention may be made of the great ridge, an extension of the Karampada range of Singhbhum , which apparently

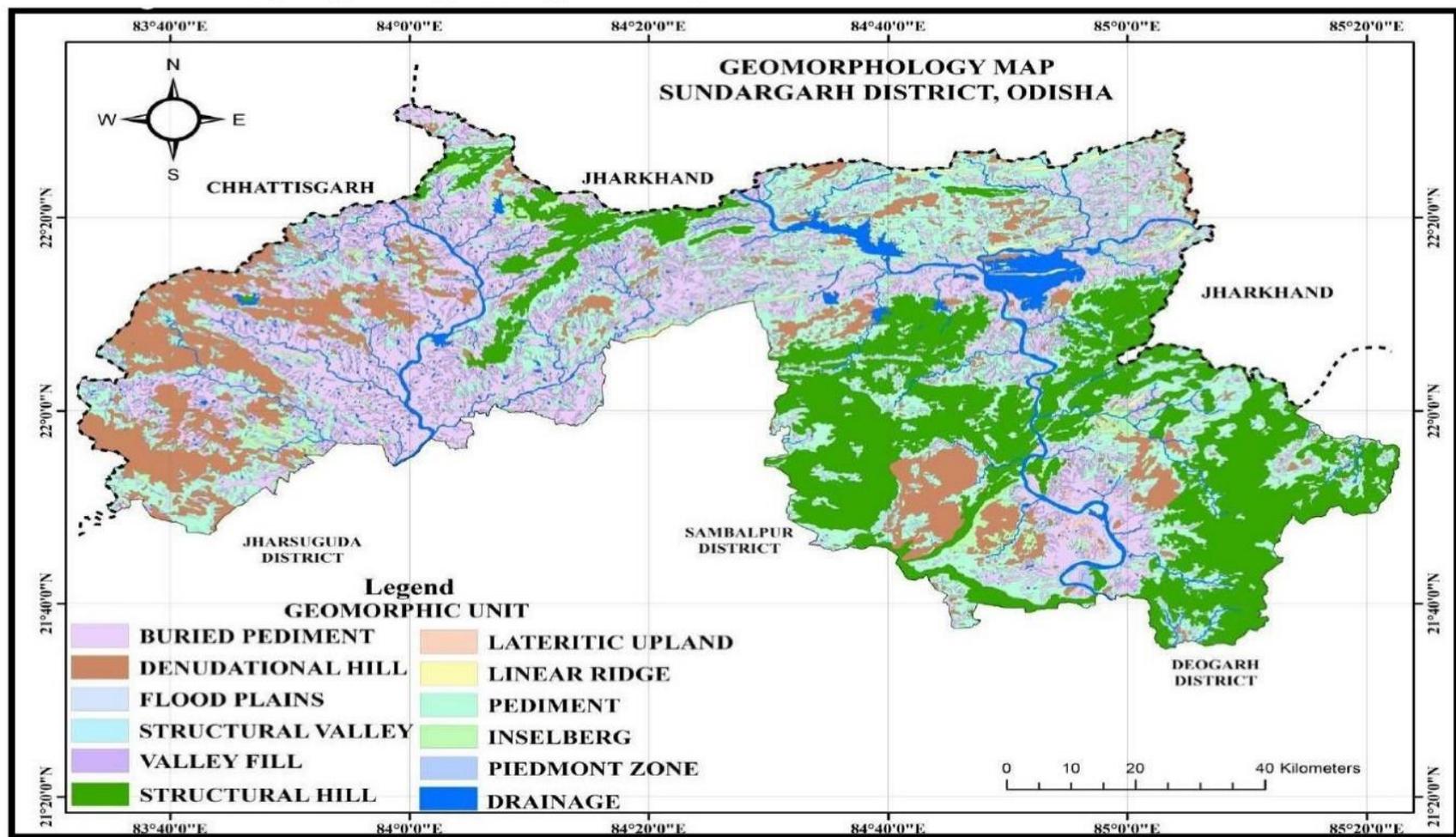
seems to be the spine of the Toda area in East Bonai. It extends from North-East to South-West and is capped with an immense deposit of high grade hematite. The Rontha plateau (2500'-3000' or 762-914m) from which descends Khandadhar water fall is also covered with iron ore. The Bichakhani hill yields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

The territory covered by Sundargarh and Panposh Sub-Divisions (comprising the ex-State of Gangpur) consists of a long undulating table-land about 700ft. (213) above the sea level dotted with hill ranges and isolated peaks of considerable height. On the West of Sundargarh Sub-Division lies the Hemgir Plateau, nearly 1150 ft (351m) high, in the centre of which is located the village Hemgir. To the North of Hemgir the land is considerably hilly while to the South it is relatively plain with a minimum elevation of 709 ft (516m) near the Chuanbahal village. The eastern tract of the Sub-Division intervening between Chota Nagpur plateau and Mahavir range, for the most part, is open and well cultivated, the general elevation of which varies from 700' to 1000' (213m TO 305m) but that of the reserved forests except, of course, a few patches, comes under 1000' to 1500' (305m to 457m). Besides, numerous isolated hills and sharp ranges running generally East to West are also evenly distributed throughout the country. On the North the Chota Nagpur plateau with its foot-hills gradually falls away to the plain while the Mahavir range in the South, springs abruptly in an irregularly wall of tilted and disrupted rock and forms for some length the boundary between Sambalpur and this district. On the southern border, dense forests linking up with the forest-clad ranges of Bonai Sub-Division are also seen. Didhrapahar, the highest peak 2509' (765m) of Sundargarh Sub-Divisiion is located near the tri-junction of Sundargarh Sub-Division , Bonai Sub-Division and Sambalpur district.

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

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

Geomorphological Map, Sundargarh District, Odisha.

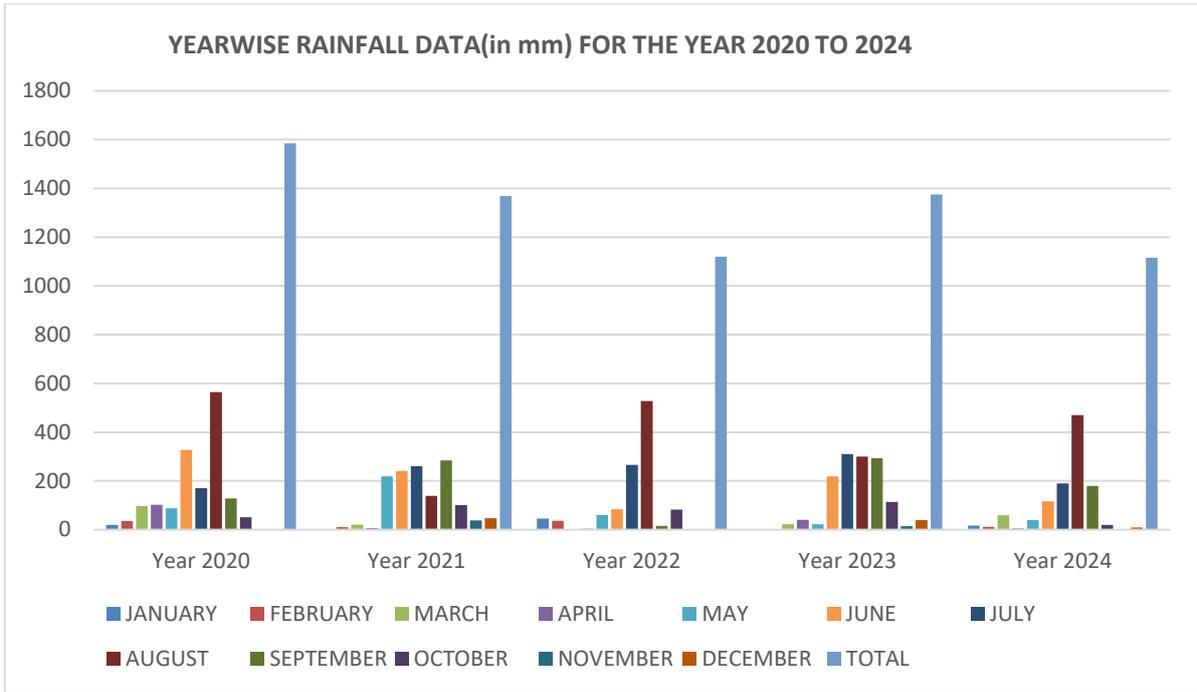


10. RAINFALL: MONTH-WISE.

The district enjoys sub-tropical climate characterized by hot and dry summer, cold winter and erratic rainfall in monsoon. The winter season extends from November to end of February, which is followed by summer season from March to the middle of June, and rainy season from middle of June to middle of October. During summer months the maximum temperature rises up to 43° C and May is the hottest month. December is the coldest month of the year when the average daily temperature drops down to 8° C. Relative humidity is around 60-70% throughout the year. The highest and lowest monthly mean relative humidity so far recorded is 97% (Dec) and 26% (April).

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

YEARWISE RAINFALL DATA(in mm) FOR THE YEAR 2020 TO 2024					
Month	Year 2020	Year 2021	Year 2022	Year 2023	Year 2024
JANUARY	19.96	2.01	45.27	0	16.49
FEBRUARY	35.44	10.02	36.08	0	11.42
MARCH	96.74	20.3	0	21.78	58.64
APRIL	101.48	6.23	3.48	40.52	4.88
MAY	87.74	218.74	59.58	22.41	39.47
JUNE	326.95	241.35	83.54	218.82	116.84
JULY	170	261.14	265.68	310.15	189.8
AUGUST	564.19	138.08	527.69	300.35	470.13
SEPTEMBER	128.53	284.65	15.87	293.33	178.73
OCTOBER	51.29	101.15	82.3	114.25	19.41
NOVEMBER	2.88	37.24	0	13.78	1.07
DECEMBER	0	47.38	0	39.51	9.3
TOTAL	1585.2	1368.29	1119.49	1374.9	1116.18



11. GEOLOGY AND MINERAL WEALTH.

GEOLOGY-

The geology of Sundargarh district consists of several lithologic groups ranging in age from oldest Archean to younger Proterozoic.

Archean rocks: All major rocks related to BIF-Greenstone-Granite association are brought under Iron Ore Super Group including mafic lava, tuffaceous shale, acid volcanics, banded hematite jasper, banded hematite quartzite with iron ore, chert, sericitic quartzite, conglomerate etc. This rock types are majorly found around South-East part of Sundargarh near Jamda-Koira.

Proterozoic rocks: The important Proterozoic groups include Darjing, Gangpur & Kolhan group.

Darjing group: This group consists of a sequence of arenaceous, carbonaceous and argillaceous formation immediately lying to the south of Gangpur group and as far south up to Bonai.

Gangpur group: This group consists of limestone and dolomite with argillaceous rock located around the central part of Sundargarh district.

Kolhan group: This group comprises purple sandstone and conglomerate overlain by limestone and slate. The Kolhans are rarely seen in Odisha though they are well exposed between Noamundi & Chaibasa.

Intrusives: A number of dolerite dykes are marked traversing granite. They are usually arranged parallel to the joint planes and occasionally occupy irregular cracks in the invaded rocks and run in any directions.

Gondwana rocks: Interbedded sequence of sandstone and shale with coal, fireclay and other rock types of pebble bed, ironstone nodules and siltstone found in Ib river valley.

Mineral resources of Sundargarh District

Basemetals: Located in the area between Lokdega & Bharatpur with Jhamankela, Nawagaon, Kodapani, Jokela, Barilipeta, Sargipali etc.

Bauxite: Located in Tantra, Kodalia, Jaldih, Kusumdihi.

Coal & Fireclay: Ib river valley.

Iron ore: Located in Barasuan, Taldihi, Kalta, Khajurdihi, Palbeda, Gonua, Koida, Kurmitapahar, Rantha, Mankadanacha, Baliapahar, Badamgarhpahar, Mithihurda, basada etc.

Kyanite & Sillimanite: Reported from Kodamunada & Salijir.

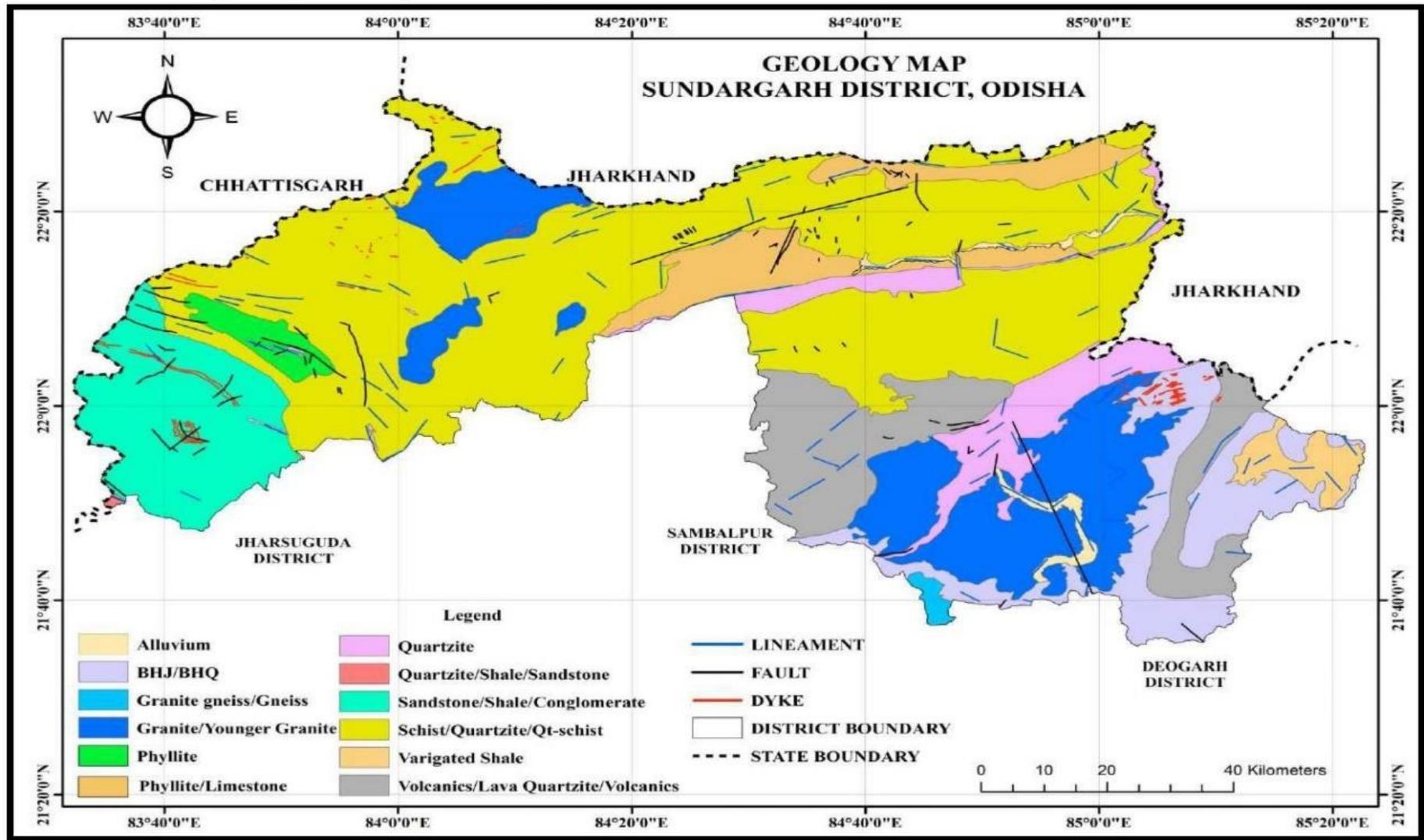
Limestone and Dolomite: Located in Biramitrapur, Raibaga, Hatibari, Purunapani, Gatitangar, Lanjiberna, Khatkurbahal, Kiringsera, Bimta, Khairtola, Tumda, Lefripara, Dublabera, Litibera, Sapai river section.

Manganese ore: Located in Oratari, Patamunda, Malda, Mahulsukha, Nuagaon, Tehral, Sarkundo, Kusumdihi, Gonua, Dengula, Kanthor-Koida, Oraghat, Kolmong.

Soapstone & Talc: Located in Jharbera, Bhaludunguri, Bijadihi, Barapara, Beldihi, Ghusura, Sendpor, Katurdua, Katasahi, Basudihi, Deodihi & Bandhabhuin.

Regional Structural Set-up- There is a general increase in the grade of metamorphism when the rocks are followed from the Singhbhum boarder on the east to the centre of the anti-clinorium on the west. It should, how ever, be noted that some of the rocks , which have phyllitic appearance and characters, are really products of retrogressive metamorphism, containing relics of garnet, stourolite, biotite etc. The Satpura strike (ENE-WSW) is found to be superimposed on an earlier , presumably Eastern Ghats, strike which is prominent.

Geology Map, Sundargarh District, Odisha.



a. Detail of river/stream/other sand source-

Sand mining in the district is confined to six rivers namely IB, Ichha, Sankha, Koel, Deo, Brahamani River. Details of the lease areas & streams are in the following tables.

Drainage system with description of main river:

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

Salient Features of Important Rivers & Streams

SL. NO.	NAME OF THE RIVER OR STREAM	TOTAL LENGTH IN THE DISTRICT (IN KM)	PLACE OF ORIGIN	ALTITUDE AT ORIGIN	PORTION OF THE RIVER OR STREAM RECOMMENDED FOR MINERAL CONCESSION	LENGTH OF AREA RECOMMENDED FOR MINERAL CONCESSION (IN M)	AVERAGE WIDTH OF AREA RECOMMENDED FOR MINERAL CONCESSION (IN M)	AREA RECOMMENDED FOR MINERAL CONCESSION (IN SQ. M)	MINEABLE MINERAL POTENTIAL (IN CUM/ANNUM) (60% OF TOTAL MINERAL POTENTIAL)
A1	IB RIVER	70	JASHPUR	393	NUA-AMLIPALI SAND BED-II	352	143.6	48560	27228.6
A2	IB RIVER	70	JASHPUR	393	CHITABHANGA SAND	290	140	40870	49533.6
A3	IB RIVER	70	JASHPUR	393	LANKAHUDA SAND	166	111	19830	11898
A4	IB RIVER	70	JASHPUR	393	BHASMA SAND	237	161.4	37630	22582.2
A5	IB RIVER	70	JASHPUR	393	KAINSARA SAND-I	386	146	48560	20093.4
C1	IB RIVER	70	JASHPUR	393	BILAIGARH SAND BED	262	188	48560	34966.08
C2	IB RIVER	70	JASHPUR	393	KURGA JHARBERNI SAND BED	300	134	40460	29131.2
C3	IB RIVER	70	JASHPUR	393	LEMLEMA SAND BED	489	120	46860	33739.2
C4	IB RIVER	70	JASHPUR	393	ERGAPITA SAND BED	345	141	46700	42067.8
C5	IB RIVER	70	JASHPUR	393	NADISUGUDA SAND BED	307	153	47950	39241.8
C6	IB RIVER	70	JASHPUR	393	DALDALI SAND BED	333.2	102.5	38280	22969.8
C7	IB RIVER	70	JASHPUR	393	ABANKELA SAND BED	306	194	46940	37728
C8	IB RIVER	70	JASHPUR	393	LEMLEMA TANGARBHADI SAND BED	280	169	47300	28409.4
C9	IB RIVER	70	JASHPUR	393	KIRIPSIRA SAND	275	176	48560	29137.2
C10	IB RIVER	70	JASHPUR	393	REMENDA SAND BED	300	149	47300	28408.8
C11	IB RIVER	70	JASHPUR	393	REMENDA SAND BED-A	220	184	40460	24276
D1	BRAHMANI	100	PANPOSH	194	ATTAGHAT SANDBED	360	140	48560	11684.1
D2	BRAHMANI	100	PANPOSH	194	KANSAR SANDBED	390	130	48560	14568.9
D3	SANKH RIVER	19	KHERAPOSH	210	BHALUPATRA SAND BED	290	154	44500	26700
D4	SANKH RIVER	19	KHERAPOSH	210	BELDIHI SANDBED-II	245	165	40460	24276
D5	SANKH RIVER	19	KHERAPOSH	210	LUNGEI SANDBED	220	184	40400	26644.8
D6	BRAHMANI RIVER	100	PANPOSH	194	BALANI SAND BED	221	220	48500	81587.4
D7	BRAHMANI RIVER	100	PANPOSH	194	TAINSER SAND BED	267	150	40470	25865.4
E1	BRAHMANINADI "KHA"	100	PANPOSH	194	TUMKELA SAND BED	293	171	49200	26083.86
E2	BRAHMANINADI "KHA"	100	PANPOSH	194	KENAPALI SAND BED	228	223	50000	30000

E3	BRAHMANINADI "KHA"	100	PANPOSH	194	LUTHURBA SAND BED	322	152	50000	29100.6
E4	BRAHMANINADI "KHA"	100	PANPOSH	194	DIGI SAND BED	404	160	49970	29982
E5	BRAHMANINADI	100	PANPOSH	194	BIRTOLA SAND BED-A	335	171	50000	30000
E6	BRAHMANINADI	100	PANPOSH	194	POIGAON SAND BED-A	276	155	42900	25740
E7	BRAHMANINADI	100	PANPOSH	194	SUARPALI SAND BED-A	250	196	50600	30360
E8	BRAHMANINADI	100	PANPOSH	194	LADAM SAND BED-A	225	222	50000	30000
F1	BRAHMANI RIVER	100	PANPOSH	194	KUCHEITA SAND BED	254	200	49900	29988
F2	BRAHMANI RIVER	100	PANPOSH	194	NARENDRA SAND BED- 2	410	195	80120	46430.4
F3	BRAHMANI RIVER	100	PANPOSH	194	BARTENGDA SAND BED	297	188	49970	20071.2
F4	BRAHMANI RIVER	100	PANPOSH	194	RANIAMRABATIPUR SAND BED	277	185	49980	20345.4
F5	BRAHMANI RIVER	100	PANPOSH	194	CHHIDI SAND BED	250.6	204	50000	29982
F6	BRAHMANI RIVER	100	PANPOSH	194	PITAGAON SAND BED	727.6	75	49900	25044.6
G1	DEO RIVER	22	JHARKHAND	251	TETERKELA SAND BED	350	140	46620	41959.2
G2	DEO RIVER	22	JHARKHAND	251	GOPPUR SAND BED	812.5	81.5	46530	16866.78
G3	DEO RIVER	22	JHARKHAND	251	LANKOI SAND BED	840	70	48150	16030.56
G4	DEV RIVER	22	JHARKHAND	251	JAHARITOLI SAND BED	268	175	47670	11793
G5	IB RIVER	70	JASHPUR	393	DALKI SAND BED	216	187	40460	12265.2
H1	IB RIVER	70	JASHPUR	393	GHOGHAR SAND BED-B	251	112	28330	16998
H2	IB RIVER	70	JASHPUR	393	KUSUMURA SAND BED	250	195	48560	43705.8
H3	IB RIVER	70	JASHPUR	393	BANKIDIHI SAND BED	265	160	42280	25374
H4	IB RIVER	70	JASHPUR	393	TELIJORE SAND BED	245	137	33580	20153.4
H5	UTTALI	4.4	BAMHANMARA	358	LULKIDIHI SAND BED	195	150	29170	17506.8
H6	IB RIVER	70	JASHPUR	393	GHOGHAR SAND BED (A)	180	113	20230	10560
H7	IB RIVER	70	JASHPUR	393	KAINTARA SAND BED	132	70	9300	4903.2
I1	"SANKHA RIVER"	19	KHERAPOSH	210	CHUNGIMATI SAND BED	213	170.5	36420	10927.2
J1	IB RIVER	70	JASHPUR	393	SUBALAYA SAND BED	250	196	49080	29428.8
J2	IB RIVER	70	JASHPUR	393	JAISAR SAND BED	343	151	42080	11716.8
J3	IB RIVER	70	JASHPUR	393	GAILO SAND BED	185	197	36430	8873.76
J4	IB RIVER	70	JASHPUR	393	BHOJPUR SAND BED	215	226	48580	72843
J5	IB RIVER	70	JASHPUR	393	KANIKA SAND BED	223	218	48560	40607.4
J6	IB RIVER	70	JASHPUR	393	MALIDIHI SAND BED	245	198	48560	56888.4
J7	IB RIVER	70	JASHPUR	393	BARPALI SAND BED	236	171	40470	24282
J8	IB RIVER	70	JASHPUR	393	BHAGAPALI SAND BED	224	90	20230	12140.4
J9	IB RIVER	70	JASHPUR	393	KUKURIDIHI SAND BED	383	79	14100	8460

J10	IB RIVER	70	JASHPUR	393	GILKUDAR SAND BED	220	183	40470	72842.4
K1	ICHHA	30	LEPHRIPADA	275	SURGUDA SAND	1176	241	195460	12012
K2	ICHHA	30	LEPHRIPADA	275	LEPHRIPARA SAND	572	275	83600	6126
K3	ICHHA	30	LEPHRIPADA	275	LUTHURKEND SAND	662	24	32860	19716
L1	BRAHAMANI NADI	100	PANPOSH	194	KOLASAHI SAND	239	207	47700	27998.4
L2	BRAHAMANI NADI	100	PANPOSH	194	SABARA SAND	280	87	24281.1	14568.66
L3	BRAHAMANI NADI	100	PANPOSH	194	SANGAGUA SAND	220	147	32400	19425.6
L4	BRAHAMANI NADI	100	PANPOSH	194	BALIATOTA SAND	205.5	98.5	20500	8511.6
L5	BRAHAMANI NADI	100	PANPOSH	194	TENDRA-II SAND BED	460	155	50000	45000
L6	BRAHAMANI NADI	100	PANPOSH	194	DEOGAON-II SAND BED	305	123	50000	33656.4
L7	BRAHAMANI NADI	100	PANPOSH	194	KULANGE BASTI SAND BED	397.5	137.5	50000	45000
L8	BRAHAMANI NADI	100	PANPOSH	194	BADGAON SAND BED	255	182.6	49700	34491
L9	BRAHAMANI NADI	100	PANPOSH	194	GILLI SAND BED	305	163	49400	44508.6
L10	BRAHAMANI NADI (UPURDA)	100	PANPOSH	194	UPURDA SAND	547	98	50000	30000
L11	BRAHAMANI NADI (CHANDIPOSH)	100	PANPOSH	194	CHANDIPOSH SAND	246	209	50000	30000
L12	BRAHAMANI NADI (TENDRA)	100	PANPOSH	194	TENDRA SAND	243	115	50000	45000
L13	BRAHAMANI NADI (BONEIKELA)	100	PANPOSH	194	BONEIKELA SAND	282	177	50000	29507.4
M1	BRAHMANI RIVER	100	PANPOSH	194	TARKERA SAND-3	278	175	48560	29137.8
M2	KOEL RIVER,	65	BHAGSO	256	LUAKERA SAND	562	97	48560	28448.94
M3	KOEL RIVER	65	BHAGSO	256	KOELNAGAR SAND	526	98	47700	3106.8
M4	KOEL RIVER	65	BHAGSO	256	TUMKELA SAND	345	188	64740	26083.86
M5	BRAHMANI RIVER	100	PANPOSH	194	TARKERA SAND-2	172	153	48440	20403
M6	BRAHMANI RIVER	100	PANPOSH	194	TARKERA SAND-1	474	135	33790	6775.8
M7	KOEL RIVER	65	BHAGSO	256	PRADHANPALI SAND BED	303	91	32370	19425

M8	KOEL RIVER	65	BHAGSO	256	TUMKELA SAND BED A	504	134	20230	12138
N1	KOEL RIVER	65	BHAGSO	256	JAMSER-2 SAND BED	474	112	50000	30000
N2	KOEL RIVER	65	BHAGSO	256	KUNDAPOSH SAND BED	440.5	99	49970	24323.4
N3	KOEL RIVER	65	BHAGSO	256	JABAGHAT SAND BED	472.5	123	50000	30000
N4	KOEL RIVER	65	BHAGSO	256	BAD BAMBUA & MASURIKUDAR SAND BED	340	140	50000	25316.4
N5	KOEL RIVER	65	BHAGSO	256	KHATANGKUDAR & UDUSU SAND BED	383	149	49970	11995.2
N6	KOEL RIVER	65	BHAGSO	256	JARAIKELA SAND BED	265	84	22100	13260
N7	KOEL RIVER	65	BHAGSO	256	JAMSER SAND BED-III	255	48	12140	7284
O1	SANKH RIVER	19	KHERAPOSH	210	PADMAPUR SAND BED-I	526	98	95500	56788.2
O2	SANKH RIVER	19	KHERAPOSH	210	PADMAPUR SAND BED-II	413	115	48560	13956
O3	SANKH RIVER	19	KHERAPOSH	210	PADMAPUR SAND BED-III	548	99	48560	14569.2
O4	SANKH RIVER	19	KHERAPOSH	210	KUARMUNDA SAND BED-I	673	76	48560	16669.38
O5	SANKH RIVER	19	KHERAPOSH	210	KUARMUNDA SAND BED-II	283.6	115	32370	8029.2
O6	SANKH RIVER	19	KHERAPOSH	210	USHRA SAND BED-I	210	231	48560	29137.8
O7	SANKH RIVER	19	KHERAPOSH	210	USHRA SAND BED-II	215	226	48560	29137.8
O8	SANKH RIVER	19	KHERAPOSH	210	CHANDIPOSH SAND BED	247	191.5	48560	29137.8
O9	KOEL RIVER	65	BHAGSO	256	BIJUBANDH SAND BED	370	137	48560	11849.4
O10	SANKHA RIVER	19	KHERAPOSH	210	SARANDAPOSH SAND BED	205	198	40460	11817.6
O11	KOEL RIVER	65	BHAGSO	256	PASARA SAND BED	293	194	47800	43355.4
O12	SANKHA RIVER & KOEL RIVER	65	BHAGSO	256	JAMUNANAKI SAND BED-II	426	134	65900	16148.4
O13	KOEL RIVER	65	BHAGSO	256	BIJUBANDH SAND BED-A	375	140	32370	19422
P1	SANKHA	19	KHERAPOSH	210	TARKERA SAND BED-I	360	126	45480	27288
P2	SANKHA	19	KHERAPOSH	210	TARKERA SAND BED-II	340	80	27510	16500
P3	SANKHA	19	KHERAPOSH	210	SAMLEIMUNDA SAND BED-I	197	130	25500	14055
P4	SANKHA	19	KHERAPOSH	210	UDURMA SAND BED-I	371	145	48700	29256
P5	SANKHA	19	KHERAPOSH	210	LAXMIPOSH SAND BED-I	234	86	20880	9396.9

b. Availability of sand or gravel or aggregate resources-

Mineral Potential:

Boulder(MT)	Bajari(MT)	Sand(Cu.m)	Total Mineable Mineral Potential(Cum)	Annual Deposition
NA	NA	4778336.3	3478873.36	-

SI No.	River or Stream	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 mt.)	Area recommended for mineral concession(in sq. m)	Mineable mineral potential (in Cum/Annum) (60% of total mineral potential)
A1	IB River	Nua-amlipali Sand Bed-II	352	143.6	48560	27228.6
A2	IB River	Chitabhanga Sand	290	140	40870	49533.6
A3	IB River	Lankahuda Sand	166	111	19830	11898
A4	IB River	Bhasma Sand	237	161.4	37630	22582.2
A5	IB River	Kainsara Sand-I	386	146	48560	20093.4
C1	IB River	Bilaigarh Sand Bed	262	188	48560	34966.08
C2	IB River	Kurga Jharberni Sand Bed	300	134	40460	29131.2
C3	IB River	Lemlema Sand Bed	489	120	46860	33739.2
C4	IB River	Ergapita Sand Bed	345	141	46700	42067.8
C5	IB River	Nadisuguda Sand Bed	307	153	47950	39241.8
C6	IB River	Daldali Sand Bed	333.2	102.5	38280	22969.8
C7	IB River	Abankela Sand Bed	306	194	46940	37728
C8	IB River	Lemlema Tangarbhadi Sand bed	280	169	47300	28409.4
C9	IB River	Kiripsira Sand	275	176	48560	29137.2
C10	IB River	Remenda Sand bed	300	149	47300	28408.8

C11	IB River	Remenda Sand bed-A	220	184	40460	24276
D1	BRAHMANI	ATTAGHAT SANDBED	360	140	48560	11684.1
D2	BRAHMANI	KANSAR SANDBED	390	130	48560	14568.9
D3	Sankh River	Bhalupatra Sand Bed	290	154	44500	26700
D4	SANKH	BELDIHI SANDBED-II	245	165	40460	24276
D5	SANKH	LUNGEI SANDBED	220	184	40400	26644.8
D6	Brahmani River	Balani Sand Bed	221	220	48500	81587.4
D7	Brahmani River	Tainser Sand Bed	267	150	40470	25865.4
E1	Brahmaninadi "KHA"	Tumkela Sand bed	293	171	49200	26083.86
E2	Brahmaninadi "KHA"	Kenapali Sand bed	228	223	50000	30000
E3	Brahmaninadi "KHA"	Luthurba Sand bed	322	152	50000	29100.6
E4	Brahmaninadi "KHA"	Digi Sand bed	404	160	49970	29982
E5	Brahmaninadi	Birtola sand bed-A	335	171	50000	30000
E6	Brahmaninadi	Poigaon Sand bed-A	276	155	42900	25740
E7	Brahmaninadi	SUARPALI SAND BED-A	250	196	50600	30360
E8	Brahmaninadi	Ladam Sand Bed-A	225	222	50000	30000
F1	Brahmani River	Kucheita Sand Bed	254	200	49900	29988
F2	Brahmani River	Narendra Sand Bed- 2	410	195	80120	46430.4
F3	Brahmani River	Bartengda Sand Bed	297	188	49970	20071.2
F4	Brahmani River	Raniamrabatipur Sand Bed	277	185	49980	20345.4
F5	Brahmani River	Chhidi Sand Bed	250.6	204	50000	29982
F6	Brahmani River	Pitagaon Sand Bed	727.6	75	49900	25044.6
G1	Deo river	Teterkela Sand Bed	350	140	46620	41959.2
G2	Deo River	Goppur Sand Bed	812.5	81.5	46530	16866.78
G3	Deo River	Lankoi Sand Bed	840	70	48150	16030.56
G4	Dev River	Jaharitoli Sand Bed	268	175	47670	11793
G5	Ib River	Dalki Sand Bed	216	187	40460	12265.2
H1	IB River	Ghoghar Sand Bed-B	251	112	28330	16998

H2	IB River	Kusumura Sand Bed	250	195	48560	43705.8
H3	IB River	Bankidihi sand Bed	265	160	42280	25374
H4	IB River	Telijore Sand Bed	245	137	33580	20153.4
H5	UTTALI	Lulkidihi sand Bed	195	150	29170	17506.8
H6	IB River	Ghoghar Sand Bed (A)	180	113	20230	10560
H7	IB River	Kaintara Sand Bed	132	70	9300	4903.2
I1	"Sankha River"	Chungimati Sand bed	213	170.5	36420	10927.2
J1	IB River	Subalaya Sand Bed	250	196	49080	29428.8
J2	IB River	Jaisar Sand Bed	343	151	42080	11716.8
J3	IB River	Gailo Sand Bed	185	197	36430	8873.76
J4	IB River	Bhojpur Sand Bed	215	226	48580	72843
J5	IB River	Kanika Sand Bed	223	218	48560	40607.4
J6	IB River	Malidihi Sand Bed	245	198	48560	56888.4
J7	IB River	Barpali Sand Bed	236	171	40470	24282
J8	IB River	Bhagapali Sand Bed	224	90	20230	12140.4
J9	IB River	Kukuridihi Sand Bed	383	79	14100	8460
J10	IB River	Gilkudar Sand Bed	220	183	40470	72842.4
K1	ICHHA	Surguda Sand	1176	241	195460	12012
K2	ICHHA	Lephripara Sand	572	275	83600	6126
K3	ICHHA	Luthurkend Sand	662	24	32860	19716
L1	BRAHAMANI NADI	KOLASAH SAND	239	207	47700	27998.4
L2	BRAHAMANI NADI	SABARA SAND	280	87	24281.1	14568.66
L3	BRAHAMANI NADI	SANGAGUA SAND	220	147	32400	19425.6
L4	BRAHAMANI NADI	BALIATOTA SAND	205.5	98.5	20500	8511.6
L5	BRAHAMANI NADI	TENDRA-II SAND BED	460	155	50000	45000
L6	BRAHAMANI NADI	DEOGAON-II SAND BED	305	123	50000	33656.4

L7	BRAHAMANI NADI	KULANGE BASTI SAND BED	397.5	137.5	50000	45000
L8	BRAHAMANI NADI	BADGAON SAND BED	255	182.6	49700	34491
L9	BRAHAMANI NADI	GILLI SAND BED	305	163	49400	44508.6
L10	BRAHAMANI NADI (UPURDA)	UPURDA SAND	547	98	50000	30000
L11	BRAHAMANI NADI (Chandiposh)	CHANDIPOSH SAND	246	209	50000	30000
L12	BRAHAMANI NADI (Tendra)	TENDRA SAND	243	115	50000	45000
L13	BRAHAMANI NADI (Boneikela)	BONEIKELA SAND	282	177	50000	29507.4
M1	Brahmani River	Tarkera Sand-3	278	175	48560	29137.8
M2	Koel River,	Luakera Sand	562	97	48560	28448.94
M3	Koel River	Koelnagar Sand	526	98	47700	3106.8
M4	Koel River	Tumkela Sand	345	188	64740	26083.86
M5	Brahmani River	Tarkera Sand-2	172	153	48440	20403
M6	Brahmani River	Tarkera Sand-1	474	135	33790	6775.8
M7	Koel River	Pradhanpali Sand Bed	303	91	32370	19425
M8		Tumkela sand bed A	504	134	20230	12138
N1	Koel River	Jamsera-2 Sand Bed	474	112	50000	30000
N2	Koel River	Kundaposh Sand Bed	440.5	99	49970	24323.4
N3	Koel River	Jabaghat Sand Bed	472.5	123	50000	30000
N4	Koel River	Bad Bambua & Masurikudar Sand Bed	340	140	50000	25316.4
N5	Koel River	Khatangkudar & Udusu Sand Bed	383	149	49970	11995.2
N6	Koel River	Jaraikela Sand Bed	265	84	22100	13260
N7	Koel River	JAMSERA SAND BED-III	255	48	12140	7284
O1	Sankh River	Padmapur sand bed-I	526	98	95500	56788.2
O2	Sankh River	Padmapur sand bed-II	413	115	48560	13956

O3	Sankh River	Padmapur sand bed-III	548	99	48560	14569.2
O4	Sankh River	Kuarmunda sand bed-I	673	76	48560	16669.38
O5	Sankh River	Kuarmunda sand bed-II	283.6	115	32370	8029.2
O6	Sankh River	Ushra sand bed-I	210	231	48560	29137.8
O7	Sankh River	Ushra sand bed-II	215	226	48560	29137.8
O8	Sankh River	Chandiposh sand bed	247	191.5	48560	29137.8
O9	Koel River	Bijubandh sand bed	370	137	48560	11849.4
O10	Sankha River	Sarandaposh sand bed	205	198	40460	11817.6
O11	Koel River	Pasara Sand Bed	293	194	47800	43355.4
O12	Sankha River & Koel River	Jamunanaki Sand bed-II	426	134	65900	16148.4
O13	Koel River	Bijubandh sand bed-A	375	140	32370	19422
P1	SANKHA	Tarkera Sand Bed-I	360	126	45480	27288
P2	SANKHA	Tarkera Sand Bed-II	340	80	27510	16500
P3	SANKHA	Samleimunda Sand Bed-I	197	130	25500	14055
P4	SANKHA	Udurma Sand Bed-I	371	145	48700	29256
P5	SANKHA	Laxmiposh Sand Bed-I	234	86	20880	9396.9

c. Detail of existing mining leases of sand and aggregates-

For details, Please refer Point no-3 & Annexure I to VII.

Annexure-I

Details of Sand/M-Sand Sources

a) Rivers:

SI No.	River Name/M-Sand plant	Total Stretch of River (Sq.Km)	Type of River (Perennial or Non-Perennial)
1	IB	7623.00	Perennial
2	Madalghat Nallah Sukhajore	27.00	Perennial
3	Safai	1102.25	Perennial
4	Ustalli Nallah	50.00	Perennial
5	Gahirajore Nallah	45.00	Perennial
6	Sarswati Nallah	26.00	Perennial
7	Ichha	400.00	Perennial
8	Sankha	10835.00	Perennial
9	Koel	12230.00	Perennial
10	Badjore Nallah (Sankh)	35.00	Perennial
11	Deo Nallah	132.00	Perennial
12	Brahamani River	26190.00	Perennial
13	Siudhi Nallah	18.50	Perennial
14	Kuradi Nallah	32.00	
15	Amruti Nallah	42.00	
16	Saplata Nallah	22.00	
17	Rukura Nallah (Down stream of Rukura Reserver)	32.00	

b) De-Siltation Location: (Lakes/Ponds/Dams etc.)

Name of Reservoir/Dams	Maintain/Controlled by State Govt./PSU etc.	Location	District	Tehsil	Village	Size(Ha)
MANDIRA DAM	GOVT	BANKIBAHAL	SUNDARGARH	LAIKERA	BANKIBAHAL	3754.357734
KANSABAHAL DAM	GOVT	DUNGAJORE	SUNDARGARH	LATHIKATA	DUNGAJORE	597.235
PITAMAHAL DAM	GOVT	BALANDA	SUNDARGARH	LATHIKATA	BALANDA	372.925
BHAWANIPUR DAM	GOVT	BHAWANIPUR	SUNDARGARH		BHAWANIPUR	12.05

c) Patta Lands/Khatedari Land:

Owner	Sy. No	Area (Ha)	District	Tehsil	Village	Agricultural Land (Yes/No)
NA	NA	NA	NA	NA	NA	NA

d) M-Sand Plants:

Plant Name	Owner	District	Tehsil	Village	Geo- location	Quantity Tonnes/Annum
NA	NA	NA	NA	NA	NA	NA

List of Potential Mining Leases (existing & proposed)

Rivers:

LEASE NO.	RIVER DETAILS	LEASE DETAILS	AREA (IN HA)	DISTANCE (IN KM) FROM PA/BR/WC/	DISTANCE FROM FOREST AREA (IN KM)	MINING LEASES WITHIN 500 METERS (IF YES CLUSTER AREA)	TOTAL EXCAVATION IN CU.M/ANNUM CONSIDERING DIGGING DEPTH MAX AS 3 METERS	MINERAL TO BE MINED (SAND/ BAJRI/ RBM ETC.)	EXISTING/ PROPOSED
A1	IB RIVER	NUA-AMLIPALI SAND BED-II,MOUZA- NUA-AMLIPALI, KHATA NO.- 381, PLOT NO- 397/P, KISAM- RIVER LATITUDE OF 22°07'30.39"N TO 22°07'38.88"N AND LONGITUDE OF 84°00'56.88"E TO 84°01'10.41"E.	4.856	PA-35,BR-1.5	35	NO	82556	39040	EXISTING
A2	IB RIVER	CHITABHANGA SAND,MOUZA-CHITABHANGA KHATA NO.- 474, PLOT NO-2413/P, KISAM- RIVER LATITUDE- 22°05'38.30" TO 22°05'47.60" LONGITUDE- 84°00'47.70" TO 84°00'50.70"	4.087	PA-32,BR2.6-	32	NO	19830	64540	EXISTING
A3	IB RIVER	LANKAHUDA SAND,MOUZA- LANKAHUDA, KHATA NO.- 150, PLOT NO- 1/P, KISAM- RIVER LATTITUDE- 22°02'37.59"N TO 22°02'43.84"N LONGITUDE- 83°59'32.59"E TO 83°59'37.15"E "	1.983	PA-27,BR-1	27	NO	37637	15778	EXISTING
A4	IB RIVER	BHASMA SAND,MOUZA- BHASMA, KHATA NO.- 133, PLOT NO-1/ 1384/P, KISAM- RIVER LATTITUDE- 21°57'38.12"N TO 21°57'46.81"N LONGITUDE- 84°01'51.51"E TO 84°01'59.85"E	3.763	PA-25,BR-0.15	25	NO	33489	31816	EXISTING
A5	IB RIVER	KAINSARA SAND-I,MOUZA- KAINARA, KHATA NO.- 86, PLOT NO- 96/1146/P, 6.00AC KISAM- RIVER, MOUZA- DEULI, KHATA NO.- 257, PLOT NO- 2668/P,6.00AC KISAM- RIVER, LATITUDE OF 21°58'30.42"N TO 21°58'34.22"N AND LONGITUDE OF 84°02'31.39"E TO 84°02'46.81"E	4.856	PA-27.5,BR-0.43	27.5	NO	45381	28276	EXISTING
C1	IB RIVER	BILAIGARH SAND BED,BILAIGARH , KHATA NO. 217, PLOT NO. 1240/1 KISAM- NADI, LAT- 221°56'29.85" TO 21°56'39.72"N, LON- 84°00'52.27" TO 84°01'05.19"E	4.856			NO	58276.8	50451.6	EXISTING

C2	IB RIVER	KURGA JHARBERNI SAND BED,MOUZA-KURGA JHARBENI,KHATA NO-201,PLOT NO-1545/P,AREA-4.046.KISSAM-NADI, LAT-22°04'55.32" TO 22°05'07.17", LONG-83°59'39.51" TO 83°59'48.39"	4.046	PA-32,BR-4.3	32	NO	48552	40776	EXISTING
C3	IB RIVER	LEMLEMA SAND BED,LEMLEMA, KHATA NO. 186 PLOT NO. 132/1645/P, KISSAM NADI, 22°07'51.09" TO 22°07'56.09" &84°01'32.65" TO 84°01'39.62"	4.686	PA-36,BR-2.1	36	NO	56232	45756	EXISTING
C4	IB RIVER	ERGAPITA SAND BED,ERGAPITA, KHATA NO. 34 PLOT NO. 220/P KISSAM NADI, LAT- 21 59' 02.52" N, LON- 84 00' 40.09" E, 84°0'38.82" TO 84°0'45.37" & 21°59'4.80" TO 21°59'16.66"	4.67	PA-27,BR-3.2	27	NO	70113	59649	EXISTING
C5	IB RIVER	NADISUGUDA SAND BED,NADISUGUDA, KHATA NO. 113 PLOT NO. 338/1350 KISSAM NADI, LAT- 22°0'40.90" TO 22°0'50.25" N, LON- 83°59'29.31" TO 83°59'36.98 E	4.795	PA-26,BR-2.5	26	NO	65403	55245	EXISTING
C6	IB RIVER	DALDALI SAND BEDDALDALI, KHATA NO. 158 PLOT NO. 1495/1652/P & 1297/1695/P KISSAM-NADI, LAT- 21°55'9.90" TO 21°55'17.60" LON- 83°59'42.50" TO 83°59'54.40"	3.828	PA-21,BR-6	21	NO	38283	31725	EXISTING
C7	IB RIVER	ABANKELA SAND BEDABANKELA, KHATA NO. 175 PLOT NO. 996/1501 KISSAM NADI, LAT- 21°57'19.29" TO 21°57'29.23" N, LON- 84°01'35.57" TO 83°01'44.63"E	4.694	PA-25,BR-0.6	25	NO	62880	41742	EXISTING
C8	IB RIVER	LEMLEMA TANGARBHADI SAND BED,LEMLEMA, KHATA NO. 186 PLOT NO. 1154/1642/P, KISSAM NADI, 84°3'27.48" TO 84°3'39.73" & 22°8'43.55" TO 22°8'54.41"	4.73	PA-32,BR-6	32	NO	47349	39964	EXISTING
C9	IB RIVER	KIRIPSIRA SAND,KIRIPSIRA, KHATA NO- 108, PLOT NO- 478/P, KISSAM- NADI, LAT- 22°02'40.77" TO 22°02'52.61" , LONG- 83°59'15.99" TO 83°59'26.21"	4.856	PA-27,BR-1.4	27	NO	48562	41660	EXISTING
C10	IB RIVER	REMENDA SAND BED,REMENDA, KHATA NO-184, PLOT NO- 287/1819, KISSAM- NADI,	4.73	PA-,BR-		NO	47348	40210	EXISTING
C11	IB RIVER	REMENDA SAND BED-A,REMENDA, KHATA NO- 184, PLOT NO- 1807/P, KISSAM- NADI, LAT- , LONG-	4.046	PA-26.3,BR-0.7	26.3	NO			PROPOSED
D1	BRAHMANI	ATTAGHAT SANDBED,AT:- ATTGHAT, KHATA NO-61, PLOT NO-484/566, KISSAM-NADI, LATITUDE- 22°08'43.64" TO 22°08'55.98" AND LONGITUDES OF 84°51'18.78" TO 84°51'28.12"	4.856	PA-6,BR-5	6	NO	19473.5	13214.5	EXISTING
D2	BRAHMANI	KANSAR SANDBED,AT:- KANSAR, KHATA NO-94, PLOT NO-211/P, KISSAM- NADI, LATITUDE	4.856	PA-4,BR-6	4	NO	24281.5	20529.5	EXISTING

		OF 22°09'20.35"N TO 22°09'35.20"N AND LONGITUDE OF 84°50'46.05"E TO 84°51'13.48"E.							
D3	SANKH RIVER	BHALUPATRA SAND BEDAT:- BRAHMANITARANG, KHATA NO-46, PLOT NO-1/1 & 1/2, KISSAM- NADI, 220 15' 02.56''N TO 220 15' 11.73''N AND LONGITUDES OF 84043' 04.95''E TO 84043' 28.99''E.	4.45	PA-6,BR-7.2	6	NO	44500	26700	EXISTING
D4	SANKH	BELDIHI SANDBED-II,AT:- BELDIHI,KHATA NO-146, PLOT NO- 1/P, NADI- KISSAM, 22° 15' 03.2''N TO 22° 15' 09.8''N AND LONGITUDES OF 84°46' 32.9''E TO 84°46' 42.6''E.	4.046	PA-7,BR-1.3	7	NO	40460	24276	EXISTING
D5	SANKH	LUNGEI SANDBED..AT:- KALUNGA,KHATA NO-80, PLOT NO- 1/P, KISSAM- NADI, 22° 14' 51.78''N TO 22°14' 57.71''N AND LONGITUDES OF 84°46' 05.26''E TO 84°46' 23.12''E.	4.04	PA-6.5,BR-2	6.5	NO	44408	27833	EXISTING
D6	BRAHMANI RIVER	BALANI SAND BED ,AT:- LATHIKATA,KHATA NO-127, PLOT NO- 1161/1, KISSAM- NADI, 220 05' 28.58''N TO 220 05' 36.14''N AND LONGITUDES OF 84052' 18.80''E TO 84052' 32.14''E.	4.85	PA-4,BR-6	4	NO	135979	41368	EXISTING
D7	BRAHMANI RIVER	TAINSER SAND BED,AT:- TAINSER, KHATA NO-229, PLOT NO- 463/P, KISSAM- NADI, LATITUDES OF 22°05'51.79''N TO 22°05'59.36''N AND LONGITUDE OF84°51'09.74"E TO 84°51'20.04"E	4.047	PA-6,BR-0.88	6	NO	43109	36655	EXISTING
E1	BRAHMANINADI "KHA"	TUMKELA SAND BED,KHATA NO-01, PLOT NO-31/P, KISAM-NADI, LATITUDE- 21 49' 44.83" N TO 21 49' 54.89" N AND LONGITUDE- 84 56' 00.07" E TO 84 56' 11.30" E	4.92	PA-7,BR-3.2	7	NO	43473.1	34283.7	EXISTING
E2	BRAHMANINADI "KHA"	KENAPALI SAND BED,KHATA NO-1 PLOT NO-41/P KISAM-NADI AREA-AC. 12.35 LATITUDE- 21°50'32.04" N TO 21°50'41.18" N LONGITUDE- 84°56'46.00" E TO 84°56'54.49" E	5	PA-6.2,BR-4.4	6.2	NO	50000	30000	EXISTING
E3	BRAHMANINADI "KHA"	LUTHURBA SAND BEDKHATA NO-1 PLOT NO-12/P,10/P,11/P,09/P KISAM-NADI AREA-AC. 12.35 LATITUDE-21°50'19.31" N TO 21°50'28.41" N LONGITUDE- 84°53'42.95" E TO 84°53'54.25" E	5	PA-3,BR-1.1	3	NO	48501	42144	EXISTING
E4	BRAHMANINADI "KHA"	DIGI SAND BEDKHATA NO-1 PLOT NO-92/P KISAM-NADI AREA-AC. 12.35 LATITUDE- 21°46'43.5" N TO 21°46'53.4" N LONGITUDE- 84°58'39.5" E TO 84°58'49.7" E	4.997	PA-8,BR-3	8	NO	49970	29982	EXISTING

E5	BRAHMANINADI	BIRTOLA SAND BED-A BRAHMANINADI "KHA"KHATA NO-1 PLOT NO-29/P & 30/P, KISAM-NADI, LAT- , LONG-	4.997	PA-0.71,BR-0.8	0.71	NO	50000	30000	PROPOSED
E6	BRAHMANINADI	POIGAON SAND BED-AKHATA NO-01, PLOT NO-76/P,77/P KISAM- NADI, AREA IN AC-10.60	4.29	PA-8,BR-2.5	8	NO	42900	25740	PROPOSED
E7	BRAHMANINADI	SUARPALI SAND BED-AKHATA NO-01, PLOT NO-83/P,84/P KISAM- NADI, AREA IN AC-12.50	5.06	PA-5,BR-5	5	NO	50600	30360	PROPOSED
E8	BRAHMANINADI	LADAM SAND BED-AKHATA NO-01, PLOT NO-44/P,46/P KISAM- NADI, AREA IN AC-12.35	5	PA-5.5,BR-2	5.5	NO	50000	30000	PROPOSED
F1	BRAHMANI RIVER	KUCHEITA SAND BED.MOUZA- KUCHEITA, KHATA NO. 78 (A.A.A.), PLOT NO. 121/799/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.),	4.99	PA-1.4,BR-5	1.4	NO	49980	42908	EXISTING
F2	BRAHMANI RIVER	NARENDRA SAND BED- 2.MOUZA- BRAHMANI NADI"KHA", KHATA NO. 1(A.A.A.), PLOT NO. 18/P, KISAM- NADI, AREA- AC.19.80DEC. 21°49'34.62"N TO 21°49'49.37"N AND LONGITUDE OF 84°54'39.82"E TO 84°54'46.46"E.	8.012	PA-4.5,BR-0.85	4.5	NO	77384	68160	EXISTING
F3	BRAHMANI RIVER	BARTENGDA SAND BEDMOUZA- BRAHMANI NADI "GA", KHATA NO. 1, PLOT NO. 14/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 21°53'12.98" TO 21°53'02.51 AND LONGITUDE OF 84°51'15.67" TO 84°51'07.61"	4.997	PA-1.3,BR-6.3	1.3	NO	33452	27738	EXISTING
F4	BRAHMANI RIVER	RANIAMRABATIPUR SAND BEDMOUZA- BRAHMANI NADI "GA", KHATA NO. 1, PLOT NO. 11/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 21°53'18.43"N TO 21°53'27.69"N AND LONGITUDE OF 84°51'01.02"E TO 84°51'07.09"E	4.998	PA-0.34,BR-8	0.34	NO	33909	28979	EXISTING
F5	BRAHMANI RIVER	CHHIDI SAND BED.MOUZA- CHHIDI, KHATA NO. 49, PLOT NO. 456/486/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 22°03'48.94"N TO 22°03'57.12"N AND LONGITUDE OF 84°53'02.28"E TO 84°53'11.53"E	5	PA-1,BR-3	1	NO	49970	43477	EXISTING
F6	BRAHMANI RIVER	PITAGAON SAND BEDMOUZA- BRAHMANI NADI "KA", KHATA NO. 1, PLOT NO. 5/P, 6/P, KISAM- NADI, AREA- AC.4.35DEC. & AC.8.00DEC., TOTAL= AC.12.35DEC.(5.00HA.), LATITUDE OF 22°01'45.42"N TO 22°02'09.10"N AND	4.99	PA-2,BR-0.7	2	NO	41741	32585	EXISTING

		LONGITUDE OF 84052'27.98''E TO 84052'35.46''E							
G1	DEO RIVER	TETERKELA SAND BEDKHATA NO.84, PLOT NO.526/527/1, LATITUDES OF 22°17'38.29"N TO 22°17'47.72"N AND LONGITUDE OF 84°58'41.64"E TO 84°58'54.05"E	4.662	PA-8,BR-0.44	8	NO	69932	59474	EXISTING
G2	DEO RIVER	GOPPUR SAND BEDKHATA NO-102, PLOT NO-638/1, LATITUDE OF 22°22'28.96"N TO 22°22'55.49"N AND LONGITUDE OF 84°54'59.03"E TO 84°55'05.83"E	4.653	PA-20.5,BR-2	20.5	NO	28111.3	17043.6	EXISTING
G3	DEO RIVER	LANKOI SAND BEDK.NO. 137 PLOT NO. 712/1459/1 AC.8.62 PLOT NO. 620/1458 AC.3.28 TOTAL AC. 11.90LATITUDE OF 22°19'20.20"N TO 22°19'47.32"N AND LONGITUDE OF 84°56'32.07"E TO 84°56'41.33"E	4.815	PA-13,BR-0.36	13	NO	26717.6	8821.4	EXISTING
G4	DEV RIVER	JAHARITOLI SAND BEDK.NO. 67 PLOT NO. 459/1 AC.1.50 PLOT NO. 460/1 AC. 10.28 TOTAL AC.11.78 , LATITUDE OF 22°23'47.77"N TO 22°24'04.09"N AND LONGITUDE OF 84°54'37.04"E TO 84°54'43.44"E	4.767	PA-27,BR-0.62	27	NO	19655	7776	EXISTING
G5	IB RIVER	DALKI SAND BEDDALKI , KHATA NO.203, PLOT NO.756/1708/P, AC.10.00, KISAM-NADI, LATITUDES OF 22°18'44.19"N TO 22°18'49.95"N AND LONGITUDE OF 84°31'06.33"E TO 84°30'56.65"E	4.046	PA-12.5,BR-0.65	12.5	NO	20442	16910	EXISTING
H1	IB RIVER	GHOGHAR SAND BED-B KHATA NO.171 PLOT NO.457/P, AC.7.00, LATITUDE 22°20'19.1"N TO 22°20'27.2"N, LONGITUDE 83°59'35.3"E TO 83°59'40.3"E	2.833	PA-48,BR-0.53	48	NO	28330	16998	EXISTING
H2	IB RIVER	KUSUMURA SAND BEDKUSUMURA, KH NO. 203, PLOT NO. 1281/P, KISAM- NADI, AC. 12.00LATITUDE 22°19'26.652" TO 22°19'34.356"N, LONGITUTE – 83°59'51.756" TO 83°59'58.308E	4.856	PA-46.5,BR-1.2	46.5	NO	72843	61720.5	EXISTING
H3	IB RIVER	BANKIDIHI SAND BED,BANKIDIHI, KH NO- 48, PLOT NO. 270/457/P, KISAM- NADI, AC.10.45, LATITUDE 22°20'49.62" TO 22°21'0.07"N, LONGITUTE – 83°59'2.01" TO 83°59'12.28"E	4.228	PA-47,BR-1.7	47	NO	42290	35526	EXISTING
H4	IB RIVER	TELIJORE SAND BEDTELIJORE, KH NO- 179, PLOT NO- 1759/P, KISAM-NADI, AC.8.30, LATITUDE 22°21'13.943" N TO 22°21'22.732"	3.358	PA-2.7,BR-48	48	NO	33589	27822	EXISTING

		N, LONGITUDE – 83O58'46.931"E TO 83O58'55.844"E							
H5	UTTALI	LULKIDIHI SAND BEDLULKIDIHI, KH NO-549,PLOT NO- 2202/4515, KISAM- NADI, AC.7.21, LATITUDE 22°31'47.91" TO 22°31'26.87" N, LONGITUDE – 83°59'48.78" TO 83°59'9.72"E	2.917	PA-64,BR-0.83	64	NO	29178	3699	EXISTING
H6	IB RIVER	GHOGHAR SAND BED (A)GHOGHAR , KH NO. 171, PLOT NO. 1416/1460/P, KISAM-NADI, LAT- 22°19'26.652" TO 22°19'34.356", LONG- 83°59'51.756" TO 83°59'58.308	2.023	PA-46.5,BR-1	46.5	NO	17600	14335	EXISTING
H7	IB RIVER	KAINTARA SAND BEDKAINTARA , KH NO. 111, PLOT NO. 1074/1329/P, KISAM- NADI, LAT- 22°18'45.93" TO 22°18'50.86", LONG- 84°00'51.94" TO 84°00'58.28	0.93	PA-47,BR-3	47	NO	8172	5045	EXISTING
I1	"SANKHA RIVER"	CHUNGIMATI SAND BED,MOUZA: CHUNGIMATI KHATA NO:93 PLOT NO. 507 KISAM : NADII, LATITUDE OF 22°14'15.29"N TO 22°14'17.90"N AND LONGITUDE OF 84°41'18.74"E TO 84°41'26.75'E	3.642	PA-4.4,BR-10	4.4	NO	18212	15421	EXISTING
J1	IB RIVER	SUBALAYA SAND BED KHATA NO-153, PLOT NO-118,1314,439,491/P, LATITUDE 22°7'58.09" TO 22°8'39.3"N, LONGITUDE 84°4'21.5" TO 84°5'21.7"	4.908	PA-29.6,BR-0.86	29.6	NO	49048	7026	EXISTING
J2	IB RIVER	JAISAR SAND BED,KHAT NO-190, PLOT NO-1/1, 113/1, KISAM- NADI, LATITUDES OF 22°16'38.57" TO 22°16'50.05" N AND LONGITUDES OF 84°03'27.01" TO 84°03'34.62"	4.208	PA-,BR-4	48	NO	19528	14576	EXISTING
J3	IB RIVER	GAILO SAND BED,KHATA NO-145, PLOT NO-1083/P, KISAM- NADI,	3.643	PA-,BR-		NO	14789.6	12160.4	EXISTING
J4	IB RIVER	BHOJPUR SAND BED,KHATA NO-69, PLOT NO-1, KISAM- NADI, LATITUDE N22 8'21.4" TO N22 08'35.2" LONGITUDE E 84°03'26.03" TO 84°03'31.09"	4.858	PA-,BR-5.5	33	NO	121405	80298	EXISTING
J5	IB RIVER	KANIKA SAND BED,KHATA NO-67, PLOT NO-814/831, LATITUDE 22009'31.27" N TO 22009'40.32" N, LONGITUDE 84005'08.13"E TO 84005'22.34"E	4.856	PA-30.5,BR-9.5	30.5	NO	67679	62427	EXISTING
J6	IB RIVER	MALIDIHI SAND BED, KHATA NO-49, PLOT NO-01/P, LATITUDE 22°09'31.27" TO 22°09'40.332" N, LONGITUDE 84°05'08.13" TO 84°05'22.34"E	4.856	PA-30.5,BR-9.5	30.5	NO	94814	80640	EXISTING

J7	IB RIVER	BARPALI SAND BEDKHATA NO-69, PLOT NO-874/P, KISAM-NADI, LATITUDE 22°18'41.60" TO 22°18'51.60"N LONGITUDE 84°1'3.40" TO 84°1'12.50" &	4.047	PA-46,BR-3.6	46	NO	40470	24282	EXISTING
J8	IB RIVER	BHAGAPALI SAND BEDKHATA NO-71, PLOT NO-1/P, KISAM-NADI, LATITUDE 22 12'53.91"N TO 22 13'03.67"N LONGITUDE 84 05'47.66"E TO 84 05'56.46"E	2.023	PA-32,BR-4.7	32	NO	20234	14180	EXISTING
J9	IB RIVER	KUKURIDIHI SAND BED KHATA NO-172, PLOT NO-1/P, KISAM-NADI, LATITUDE 22 15'10.95"N TO 22 15'16.92"N LONGITUDE 84 04'34.26"E TO 84 04'40.98"E	1.41	PA-37,BR-0.12	37	NO	14100	8460	EXISTING
J10	IB RIVER	GILKUDAR SAND BEDKHATA NO-20, PLOT NO-1/P,KISAM-NADI, LATITUDE 22 10'33.0"N TO 22 10'42.0"N LONGITUDE 84 06'04.9"E TO 84 06'13.4"E	4.047	PA-31,BR-9	31	NO	121404	63722.5	EXISTING
K1	ICHHA	SURGUDA SANDKHATA NO-173, PLOT NO-607, KISAM-NADI,	19.546	PA-17.5,BR-0.4	17.5	NO	20020	12402	EXISTING
K2	ICHHA	LEPHRIPARA SAND,KHATA NO-245, PLOT NO-1636/2145, 1682/1 KISAM-NADI, LATITUDE OF 22°06'58.98"N TO 22°06'58.98" TO 22°07'11.35" N AND LONGITUDE OF 83°48'09.40" TO 83°48'38.98"E.	8.36	PA-16,BR-3.6	16	NO	10210	1958	EXISTING
K3	ICHHA	LUTHURKEND SANDKHATA NO-30,14,68,459, PLOT NO-65 KISAM-NADI, LATITUDE OF 22009'19.60"N TO 22009'29.45"N AND LONGITUDE OF 83043'04.63"E TO 83043'28.02"E	3.286	PA-14,BR-0.26	14	NO	32860	19716	EXISTING
L1	BRAHAMANI NADI	KOLASAH I SAND MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 60/P, LATITUDES - FROM 21°49'12.00" TO 21°49'18.76" N, LONGITUDES-84°57'55.98" TO 84°57'48.14"	4.77	PA-5,BR-1.7	5	NO	46664	40705	EXISTING
L2	BRAHAMANI NADI	SABARA SANDMOUZA- SABARA(BRAHAMANI NADI), KHATA NO- 36, PLOT NO.- 15/551	2.42811	PA-,BR-		NO	24281.1	14568.66	EXISTING
L3	BRAHAMANI NADI	SANGAGUA SAND"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 116/P & 117/P, LATITUDE -21°44'17.58" TO 21°44'25.03", LONGITUTE-84°56'32.01" TO 84°56'39.71"	3.24	PA-8.4,BR-3.4	8.4	NO	32376	27002	EXISTING
L4	BRAHAMANI NADI	BALIATOTA SANDMOUZA- BRAHAMANI "KHA"KHATA NO- 1, PLOT NO.- 56/P,KISSAM-	2.05	PA-4.5,BR-2.4	4.5	NO	14186	11665	EXISTING

		NADI, LONG- 84°57'53.05" TO 84°57'58.48" LAT- 21°49'34.84" TO 21°49'41.41"							
L5	BRAHAMANI NADI	TENDRA-II SAND BEDMOUZA- BRAHAMANI "KHA"KHATA NO- 1, PLOT NO.- 149/P, 151/P, KISSAM-NADI, LATITUDES OF 21°41'14.76"N TO 21°41'29.13"N AND LONGITUDE OF 84°56'51.27"E TO 84°56'56.88"E	5	PA-0.61,BR- 1.3	0.61	NO	75000	63446	EXISTING
L6	BRAHAMANI NADI	DEOGAON-II SAND BEDMOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 34/P, 35/P, KISSAM-NADI	5	PA-6.7,BR- 0.62	6.7	NO	56094	48885	EXISTING
L7	BRAHAMANI NADI	KULANGE BASTI SAND BED,MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 63/P, 64/P, KISSAM-NADI, LATITUDE OF 21° 48'39.37" N TO 21° 48' 52.49" N AND LONGITUDE OF 84°57' 51.40" E TO 84°57' 57.99" E	5	PA-5.5,BR- 0.48	5.5	NO	75000	63660	EXISTING
L8	BRAHAMANI NADI	BADGAON SAND BEDMOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 147/P, 148/P, KISSAM-NADI, LATITUDES OF 21°41'39.13"N TO 21°41'49.74"N AND LONGITUDE OF 84°56'38.68"E TO 84°56'42.28"E	4.97	PA-2,BR- 0.34	2	NO	57485	50000	EXISTING
L9	BRAHAMANI NADI	GILLI SAND BED,MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 134/P,KISSAM- NADI,LAT OF 21° 42'09.92"N TO 21° 42' 19.68"N AND LONG OF 84°54'22.31" E TO 84°54'33.79" E	4.94	PA-0.6,BR- 3.3	0.6	NO	74181	63485	EXISTING
L10	BRAHAMANI NADI (UPURDA)	UPURDA SAND"MOUZA- BRAHAMANI ""KHA"" KHATA NO- 1, PLOT NO.- 69/P, 70/P"LATITUDE OF 21° 47'55.02"N TO 21° 48'12.78"N AND LONGITUDE OF 84°58'03.15" E TO 84°58'06.91" E	5	PA-6.5,BR- 0.93	6.5	NO	50000	40644	EXISTING
L11	BRAHAMANI NADI (CHANDIPOSH)	CHANDIPOSH SAND"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 98/P, 101/P,102/P", LATITUDE OF 21°43'20.25" TO 21°43'28.21" AND LONGITUDE OF 84°54'50.26" TO 84°54'04.28"	5	PA-3,BR-4	3	NO	50000	23255	EXISTING
L12	BRAHAMANI NADI (TENDRA)	TENDRA SAND"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 143, 141, LATITUDE OF 21°04' 55.58"N TO 21°04'03.22"N AND LONGITUDE OF 84°55'27.09" E TO 84°55' 55.85" E	5	PA-0.62,BR- 0.9	0.62	NO	75000	60198	EXISTING
L13	BRAHAMANI NADI (BONEIKELA)	BONEIKELA SAND"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 128, LATITUDE- 21°43'20.25" N TO 21°43'28.21"N, LONGITUTE- 84°54'50.26" E TO 84°54'04.28" E"	5	PA-3,BR-4.1	3	NO	49179	42357	EXISTING

M1	BRAHMANI RIVER	TARKERA SAND-3 VILLAGE-TARKERA,KHATA NO.22,PLOT NO.424/1289/P THE LEASE AREA IS BOUNDED BY 22°12'36.3"N 84°48'49.0"E 22°15'39.8"N 84° 49' 10.7"E	4.856	PA-3.5,BR-1.5	3.5	NO	48563	29047	EXISTING
M2	KOEL RIVER,	LUAKERA SAND VILLAGE-LUAKERA,RTU-07,KHATA NO.78,PLOT NO.247/755/P BOUNDED BY N22°16'06.5" TON22°16'10.7" LATTITUDE & E84°48'29.5"TOE84°48'47.8"LONGITUDE	4.856	PA-9,BR-0.61	9	NO	47414.9	42757	EXISTING
M3	KOEL RIVER	KOELNAGAR SAND RTU-27KHATA NO.174,PLOT NO.96/383/P 1.22°16'04.79"N 84°53'26.11"E 2.22°16'07.39"N84°53'24.60"E 3.22°16'19.50"N84°53'36.78"E 4.22°16'16.68"N84°53'39.43"E	4.77	PA-11,BR-1.5	11	NO	5178	3794	EXISTING
M4	KOEL RIVER	TUMKELA SAND,VILLAGE-TUMKELA KHATA NO.02 ,PLOT NO.312/339/P , LATITUDE OF 22016'28.20"N TO 22016'33.70"N AND LONGITUDE OF 84050'36.10"E TO 84050'52.10"E.	6.474	PA-11.6,BR-4.7	11.6	YES	43473.1	34283.7	EXISTING
M5	BRAHMANI RIVER	TARKERA SAND-2,VILLAGE-TARKELA,KHTA NO.109,PLOTNO.461/553/P THE LEASE AREA IS BOUNDED BY 22°12'36.0"N 84°48'14.82 9.7"E & 22°15' 41.9",84°48' 50.7"E	4.844	PA-3.5,BR-1.4	3.5	YES	34005	28494	EXISTING
M6	BRAHMANI RIVER	TARKERA SAND-1,KHATA NO-109, PLOT NO-63/548/P, 410/549/P, 410/552/P,410/551/P,410/550/P, KISAM-NADI, LATITUDE OF 22012'40.1"N TO 22015'49.80"N AND LONGITUDE OF 84048'14.8"E TO 84048'30.40"E.	3.379	PA-3,BR-0.7	3	YES	11293	8702	EXISTING
M7	KOEL RIVER	PRADHANPALI SAND BED,VILLAGE-PRADHANPALI,RTU-1,KHATA- 138,PLOT NO.1/1196 1. LONG-84°47'29.99" TO 84°47'25.81" , LAT-22°15'49.05" TO 22°15'39.59"	3.237	PA-9,BR-1.5	9	NO	32375	13103	EXISTING
M8		TUMKELA SAND BED A,ROURKELA TOWN, KHATA-02, PLOT- 312/339/P, KISSAM- NADI, LAT- , LONG-	2.023	PA-12,BR-4.5	12	YES	20230	12138	PROPOSED
N1	KOEL RIVER	JAMSER-II SAND BED , KHATA NO-38, PLOT NO-59/331, KISAM-NADI, 5.00HA, LATITUDE OF 22016'31.65"N TO 22016'35.65"N AND LONGITUDE OF 84054'44.65"E TO 84055'01.23"E.	5	PA-10,BR-1.6	10	NO	50000	30000	EXISTING
N2	KOEL RIVER	KUNDAPOSH SAND BEDKHATA NO-34, PLOT NO-1/386/P, ERLA ,KHATA NO-54, PLOT NO-1/632/P, KISAM-NADI, LAT-22°19'34.40" TO	4.997	PA-8,BR-0.2	8	NO	40539	34144	EXISTING

		22°19'41.73" N LONG- 85°04'24.37" TO 85°04'39.64"E							
N3	KOEL RIVER	JABAGHAT SAND BED, JABAGHAT , KHATA NO-86, PLOT NO-1/P, KISAM-NADI, 5.00HA, 22016'32.73"N TO 22016'41.70"N AND LONGITUDE OF 84055'39.33"E TO 84055'56.27"E.	5	PA-9,BR-3.1	9	NO	50000	30000	EXISTING
N4	KOEL RIVER	BAD BAMBUA & MASURIKUDAR SAND BED, MAUZA-BADBAMBUA , KHATA NO-88, PLOT NO-1/805/P, KISAM-NADI, MAUZA-MASURIKUDAR, KHATA NO-73, PLOT NO-1/P, KISAM-NADI, 5.00HA, 22019'36.79"N TO 22019'44.21"N AND LONGITUDE OF 85001'52.92"E TO 85002'05.34"E.	5	PA-10,BR-4.7	10	NO	42194	36509	EXISTING
N5	KOEL RIVER	KHATANGKUDAR & UDUSU SAND BED, KHATANGKUDAR , KHATA NO-21, PLOT NO-9/134/P, UDUSHU, KHATA NO-139, PLOT NO-1/1668/P, KISAM-NADI, 4.997HA, LATITUDE OF 22017'21.45"N TO 22017'34.54"N AND LONGITUDE OF 84059'20.79"E TO 84059'32.22"E.	4.997	PA-7.5,BR-0.8	7.5	NO	19992	16848	EXISTING
N6	KOEL RIVER	JARAIKELA SAND BED, JARAIKELA, KHATA NO-95, PLOT NO-418/526/P, 8.00AC., KISAM-NADI, LATITUDES - AND LONGITUDE-	2.21			NO	22100	13260	PROPOSED
N7	KOEL RIVER	JAMSER SAND BED-III, KHATA NO-38, PLOT NO-59/331, KISSAM-NADILAT-22.276°, LONG-84.908°	1.214	PA-11,BR-0.65	11	NO	12140	7284	PROPOSED
O1	SANKH RIVER	PADMAPUR SAND BED-I, PADMPUR, KH-138 PL.NO.-422/812/P LATITUDE OF 22015'00.73"N TO 22015'13.06"N AND LONGITUDE OF 84046'12.86"E TO 84046'45.65"E	9.55	PA-7.2,BR-0.9	7.2	YES	94647	78335	EXISTING
O2	SANKH RIVER	PADMAPUR SAND BED-II, PADAMPUR , KHATA NO-138, PLOT NO-374/813/P, 12.00AC, KISAM-NADI, 84°45'36.85" TO 84°45'53.15" 22°15'02.36" TO 22°15'07.48"	4.856	PA-8,BR-2.4	8	YES	23260	19740	EXISTING
O3	SANKH RIVER	PADMAPUR SAND BED-III, PADMPUR, KH-138 PL.NO.-374/813/P, KISAM-NADI, 84°45'29.24" TO 84°45'50.89" 22°15'09.06" TO 22°15'13.64"	4.856	PA-7,BR-2.9	7	YES	24282	19461	EXISTING
O4	SANKH RIVER	KUARMUNDA SAND BED-I, KUARMUNDA KHATA NO-397, PLOT NO-2876/P, 12.00AC, KISAM-NADI, LATITUDE OF 22016'01.87"N TO 22016'07.48"N AND LONGITUDE OF 84047'35.66"E TO 84047'59.29"E.	4.856	PA-9,BR-0.3	9	NO	27782.3	17122.3	EXISTING

O5	SANKH RIVER	KUARMUNDA SAND-II, KHATA NO-397, PLOT NO-2879/P, 8.00AC, KISAM-NADI, LATITUDE OF 22°15'16.29"N TO 22°15'25.76"N AND LONGITUDE OF 84°47'40.92"E TO 84°47'49.52"E.	3.237	PA-8,BR-0.88	8	NO	13382	11264	EXISTING
O6	SANKH RIVER	USHRA GHAT-I SAND BED, KHATA NO-263, PLOT NO-2256/P, KISAM-NADI, 4.856HA, LATITUDE OF 22°14'54.17"N TO 22°15'03.00"N AND LONGITUDE OF 84°42'19.45"E TO 84°42'32.88"E.	4.856	PA-6,BR-8.1	6	NO	48563	41654	EXISTING
O7	SANKH RIVER	USHRA SAND BED-II,USHRA GHAT, KHATA NO-263, PLOT NO-2364/P, KISAM-NADI, 4.856HA, LATITUDE OF 22°14'36.36"N TO 22°14'48.01"N AND LONGITUDE OF 84°42'02.51"E TO 84°42'11.90"E.	4.856	PA-5,BR-8.8	5	NO	48563	41726	EXISTING
O8	SANKH RIVER	CHANDIPOSH SAND BED, KHATA NO-47, PLOT NO-159/P, KISAM-NADI, 4.856HA, LATITUDE OF 22°15'10.32"N TO 22°15'16.96"N AND LONGITUDE OF 84°44'07.39"E TO 84°44'16.16"E.	4.856	PA-6.6,BR-5	6.6	NO	48563	42195	EXISTING
O9	KOEL RIVER	BIJUBANDH SAND BED,BIJUBANDH, KHATA NO-58, PLOT NO-216/P, 12.00AC., KISAM-NADI, LATITUDES OF 22°16'37.70"N TO 22°16'43.71"N AND LONGITUDE OF 84°50'56.76"E TO 84°51'09.97"E.	4.856	PA-12,BR-5.3	12	YES	19749	17136	EXISTING
O10	SANKHA RIVER	SARANDAPOSH SAND BED,SARANDAPOSH,KH.NO.-84,PL.NO.479/P, KISAM-NADI, 84°45'03.78" TO 84°45'22.48" 22°15'09.34" TO 22°15'14.47"	4.046	PA-6.6,BR-4	6.6	YES	19696	15828	EXISTING
O11	KOEL RIVER	PASARA SAND BED,KHATA NO-81, PLOT NO-838/P, KISAM-NADI, LATITUDE OF 22°16'08.3"N TO 22°16'15.2"N AND LONGITUDE OF 84°52'11.2"E TO 84°52'51.8"E.	4.78	PA-12,BR-0.15	12	NO	72259	30395	EXISTING
O12	SANKHA RIVER & KOEL RIVER	JAMUNANAKI SAND BED-II,KHATA NO-75, PLOT NO-405/1, 405/415/P, KISAM-NADI, LATITUDES OF 22°14'40.16"N TO 22°14'29.62"N AND LONGITUDE OF 84°47'37.78"E TO 84°47'52.82"E	6.59	PA-6.2,BR-0.13	6.2	NO	26914	23541	EXISTING
O13	KOEL RIVER	BIJUBANDH SAND BED-A,BIJUBANDH, KHATA NO-58, PLOT NO-92/P1,92/P2, 8.00AC., KISAM-NADI, LATITUDES - AND LONGITUDE-	3.237	PA-15,BR-2.6	15	YES	32370	19422	PROPOSED

P1	SANKHA	TARKERA SAND BED-I, KHATA NO-155, PLOT NO-528/P,KISAM-JALA BHANDAR , 9.10AC, PLOT-528/1304P, KISAM-NADI, 2.14AC, LATITUDE OF 22°20'40.24" TO 22°20'55.13" N AND LONGITUDE 84°29'52.49" TO 84°30'00.36"E	4.548	PA-25,BR-4.5	25	NO	45480	36864	EXISTING
P2	SANKHA	TARKERA SAND BED-II TARKERA , KHATA NO-154, PLOT NO-931/1309/P, 6.80AC, KISAM-JALA BHANDAR , LATITUDE OF 22°19'52.27" TO 22°19'58.67" N AND LONGITUDE OF 84°30'08.07" TO 84°30'15.09"E.	2.751	PA-,BR-2.6	23	NO	27500	22776	EXISTING
P3	SANKHA	SAMLEIMUNDA SAND BED-ISAMALEIMUNDA , KHATA NO-158, PLOT NO-706/2156/P, 6.30AC, KISAM-JALA BHANDAR , LATITUDE OF 22°19'31.62"N TO 22°19'36.10"N AND LONGITUDE OF 84°29'58.22"E TO 84°30'05.47"E.	2.55	PA-23,BR-2.6	23	NO	23425	19496	EXISTING
P4	SANKHA	UDURMA SAND BED-I,UDURMA , KHATA NO-144, PLOT NO-1/P, KISAM-NADI, LATITUDE OF 21°21'36.99" TO 21°21'46.71"N AND LONGITUDE 84°29'2.32" TO 84°28'57.06"E.	4.87	PA-28,BR-6.7	28	NO	48760	41131	EXISTING
P5	SANKHA	LAXMIPOSH SAND BED-ILAXMIPOSH KHATA NO-85, PLOT NO-683/1289/P, KISAM- JALA BHANDAR, LATITUDE OF 22°18'35.99" TO 22°18'39.80" N AND LONGITUDE OF 84°31'03.26" TO 84°31'13.50"E.	2.088	PA-20.5,BR-0.18	20.5	NO	15661.5	6000	EXISTING

Patta Lands/Khatedari Land: (existing & proposed)

Owner	Sy. No	Area	District	Tehsil	Village	Total Reserve (MT)	Total Mineral to be mined (MT)	Existing /Proposed
NA	NA	NA	NA	NA	NA	NA	NA	NA

De-Siltation Location: (Lakes/Ponds/Dams etc.) (Existing & proposed)

Name of Reservoir/Dams	Maintain /Controlled by State Govt./PSU etc.	Location	District	Tehsil	Village	Size (Ha)	Quantity MT/Year	Existing /Proposed
NA	NA	NA	NA	NA	NA	NA	NA	NA

M-Sand Plants:(existing & proposed)

Plant Name	Owner	District	Tehsil	Village	Geo- location	Quantity Tonnes/Annum	Existing/Proposed
NA	NA	NA	NA	NA	NA	NA	NA

Cluster & Contiguous Cluster details

Clusters:

RIVER NAME	CLUSTER NO.	LEASE NO	LOCATION (RIVERBED / PATTI LAND)	VILLAGE	AREA (IN HA)	TOTAL EXCAVATION (CUM/ANNUM)	TOTAL MINERAL EXCAVATION (CUM/ANNUM)
BRAHMANI RIVER	1	M5	TARKERA SAND-2,VILLAGE-TARKELA,KHTA NO.109,PLOTNO.461/553/P THE LEASE AREA IS BOUNDED BY 22°12'36.0"N 84°48'14.82 9.7"E & 22°15' 41.9",84°48' 50.7"E	TARKERA	4.844	34005	28494
BRAHMANI RIVER		M6	TARKERA SAND-1,KHATA NO-109, PLOT NO-63/548/P, 410/549/P, 410/552/P,410/551/P,410/550/P, KISAM-NADI, LATITUDE OF 22012'40.1"N TO 22015'49.80"N AND LONGITUDE OF 84048' 14.8'E TO 84048'30.40"E.	TARKERA	3.379	11293	8702
SANKH RIVER	2	O1	PADMAPUR SAND BED-I,PADMPUR,KH-138 PL.NO.-422/812/P LATITUDE OF 22015'00.73"N TO 22015'13.06"N AND LONGITUDE OF 84046'12.86"E TO 84046'45.65"E	PADMAPUR	9.55	94647	78335
SANKH RIVER		O2	PADMAPUR SAND BED-II,PADAMPUR , KHATA NO-138, PLOT NO-374/813/P, 12.00AC,KISAM-NADI,84°45'36.85" TO 84°45'53.15" 22°15'02.36" TO 22°15'07.48"	PADMAPUR	4.856	23260	19740
		O3	PADMAPUR SAND BED-III,PADMPUR, KH-138 PL.NO.-374/813/P, KISAM-NADI, 84°45'29.24" TO 84°45'50.89" 22°15'09.06" TO 22°15'13.64"	PADMAPUR	4.856	24282	19461
		O10	SARANDAPOSH SAND BED,SARANDAPOSH,KH.NO.-84,PL.NO.479/P, KISAM-NADI, 84°45'03.78" TO 84°45'22.48" 22°15'09.34" TO 22°15'14.47"	SARANDAPOSH	4.046	19696	15828
KOEL RIVER	3	O9	BIJUBANDH SAND BED,BIJUBANDH, KHATA NO-58, PLOT NO-216/P, 12.00AC., KISAM-NADI, LATITUDES OF 22°16'37.70"N TO 22°16'43.71"N AND LONGITUDE OF 84°50'56.76"E TO 84°51'09.97"E.	BIJUBANDH	4.856	19749	17136
		O13	BIJUBANDH SAND BED-A,BIJUBANDH, KHATA NO-58, PLOT NO-92/P1.92/P2, 8.00AC., KISAM-NADI, LATITUDES - AND LONGITUDE-	BIJUBANDH	3.237		
		M8	TUMKELA SAND BED A,ROURKELA TOWN, KHATA-02, PLOT- 312/339/P, KISSAM- NADI, LAT- , LONG-	TUMKELA	2.023		
		M4	TUMKELA SAND, VILLAGE-TUMKELA KHATA NO.02 ,PLOT NO.312/339/P , LATITUDE OF 22016'28.20"N TO 22016'33.70"N AND LONGITUDE OF 84050'36.10"E TO 84050'52.10"E.	TUMKELA	6.474	43473.1	34283.7

Contiguous Clusters:

CONTIGUOUS CLUSTER NO.	CLUSTER NO	NUMBER OF LEASES IN THE CLUSTER LOCATION (PATTI LAND)	DISTANCE BETWEEN CLUSTERS(KM)	AREA OF CLUSTER (HA)	TOTAL MINERAL EXCAVATION. (CUM/ANNUM)
NA	NA	NA	NA	NA	NA

Annexure-IV

Transportation Routes for individual leases and leases in Cluster

LEASE NO.	TRANSPORTATION ROUTE NO.	NUMBER OF TIPPERS/DAY OF LEASE	NUMBER OF TIPPERS/DAY OF ALL THE LEASE ON ROUTE	LENGTH OF ROUTE IN KM	TYPE OF ROAD(BLACK TOPPED/UNPAVED)	RECOMMENDATION FOR ROAD (BLACK TOPPED/UNPAVED)	THE ROAD WILL BE CONSTRUCTED BY GOVT/LEASE OWNER	ROUTE MAP & LOCATION
A1	NUA-AMLIPALI SAND BED-II, MOUZA- NUA-AMLIPALI, KHATA NO.- 381, PLOT NO- 397/P, KISAM- RIVER LATITUDE OF 22°07'30.39"N TO 22°07'38.88"N AND LONGITUDE OF 84°00'56.88"E TO 84°01'10.41"E.	2		5	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA- NUA-AMLIPALI, SH10-5KM
A2	CHITABHANGA SAND, MOUZA- CHITABHANGA KHATA NO.- 474, PLOT NO- 2413/P, KISAM- RIVER LATITUDE- 22°05'38.30" TO 22°05'47.60" LONGITUDE- 84°00'47.70" TO 84°00'50.70"	2		3	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA- CHITABHANGA, SH10-2KM
A3	LANKAHUDA SAND, MOUZA- LANKAHUDA, KHATA NO.- 150, PLOT NO- 1/P, KISAM- RIVER LATITUDE- 22°02'37.59"N TO 22°02'43.84"N LONGITUDE- 83°59'32.59"E TO 83°59'37.15"E	1		5	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA- LANKAHUDA, SH10-5KM
A4	BHASMA SAND, MOUZA- BHASMA, KHATA NO.- 133, PLOT NO-1/ 1384/P, KISAM- RIVER LATITUDE- 21°57'38.12"N TO 21°57'46.81"N LONGITUDE- 84°01'51.51"E TO 84°01'59.85"E	2		1.5	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA- BHASMA, SH10-1.5KM

A5	KAINSARA SAND-I,MOUZA-KAINTARA, KHATA NO.- 86, PLOT NO- 96/1146/P, 6.00AC KISAM- RIVER, MOUZA- DEULI, KHATA NO.- 257, PLOT NO- 2668/P,6.00AC KISAM- RIVER, LATITUDE OF 21°58'30.42"N TO 21°58'34.22"N AND LONGITUDE OF 84°02'31.39" E TO 84°02'46.81" E	SH10	2		0.5	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA-KAINTARA,SH10-0.5KM
C1	BILAIGARH SAND BED,MOUZA-BILAIGARH , KHATA NO. 217, PLOT NO. 1240/1 KISAM- NADI, LAT- 221°56'29.85" TO 21°56'39.72"N, LON- 84°00'52.27" TO 84°01'05.19"E					BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA-BILAIGARH
C2	KURGA JHARBENI SAND BED, MOUZA-KURGA JHARBENI,KHATA NO-201,PLOT NO-1545/P,AREA-4.046,KISSAM-NADI, LAT-22°04'55.32" TO 22°05'07.17", LONG-83°59'39.51" TO 83°59'48.39"	SH10			5.5	BLACK TOPPED	BLACK TOPPED	GOVT	KURGA JHARBENI SH10-0.5KM
C3	LEMLEMA SAND BED,MOUZA-LEMLEMA, KHATA NO. 186 PLOT NO. 132/1645/P, KISAM NADI, 22°07'51.09" TO 22°07'56.09" &84°01'32.65" TO 84°01'39.62"	SH10			4.5	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA-LEMLEMA,SH10-4.5KM
C4	ERGAPITA SAND BED,ERGAPITA, KHATA NO. 34 PLOT NO. 220/P KISAM NADI, LAT- 21 59' 02.52" N, LON- 84 00' 40.09" E, 84°0'38.82" TO 84°0'45.37" & 21°59'4.80" TO 21°59'16.66"	SH10			3	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA-ERGAPITA,SH10-3KM
C5	NADISUGUDA SAND BED,MOUZA-NADISUGUDA, KHATA NO. 113 PLOT NO. 338/1350 KISAM NADI, LAT- 22°0'40.90" TO 22°0'50.25" N, LON- 83°59'29.31" TO 83°59'36.98 E	SH10			5.5	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA-NADISUGUDA,SH10-5.5KM

C6	DALDALI SAND BED,MOUZA-DALDALI, KHATA NO. 158 PLOT NO. 1495/1652/P & 1297/1695/P KISSAM- NADI, LAT- 21°55'9.90" TO 21°55'17.60" LON- 83°59'42.50" TO 83°59'54.40"	SH10			3.5	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA-DALDALI,SH10-3.5KM
C7	ABANKELA SAND BED,ABANKELA, KHATA NO. 175 PLOT NO. 996/1501 KISSAM NADI, LAT-21°57'19.29" TO 21°57'29.23" N, LON- 84°01'35.57" TO 83°01'44.63"E	SH10			1.5	BLACK TOPPED	BLACK TOPPED	GOVT	ABANKELA,SH10-1.5KM
C8	LEMLEMA TANGARBHADI SAND BED,LEMLEMA, KHATA NO. 186 PLOT NO. 1154/1642/P, KISSAM NADI, 84°3'27.48" TO 84°3'39.73" & 22°8'43.55" TO 22°8'54.41"	SH10			2	BLACK TOPPED	BLACK TOPPED	GOVT	LEMLEMA,SH10-2KM
C9	KIRIPSIRA SAND,KIRIPSIRA, KHATA NO- 108, PLOT NO- 478/P, KISSAM- NADI, LAT- 22°02'40.77" TO 22°02'52.61" , LONG-83°59'15.99" TO 83°59'26.21"	SH10			5	BLACK TOPPED	BLACK TOPPED	GOVT	KIRIPSIRA,SH10-5KM
C10	REMENDA SAND BED,REMENDA, KHATA NO- 184, PLOT NO- 287/1819, KISSAM- NADI, LAT- 22°58'25.93" TO 22°58'39.93" , LONG-84°00'38.06" TO 84°00'44.36"					BLACK TOPPED	BLACK TOPPED	GOVT	REMENDA
C11	REMENDA SAND BED- A,REMENDA, KHATA NO- 184, PLOT NO- 1807/P, KISSAM- NADI, LAT- , LONG-	SH10			2	BLACK TOPPED	BLACK TOPPED	GOVT	REMENDA,SH10-2KM
D1	ATTAGHAT SANDBED,AT:- ATTGHAT, KHATA NO-61, PLOT NO-484/566, KISSAM-NADI, LATITUDE- 22°08'43.64" TO 22°08'55.98" AND LONGITUDES OF 84°51'18.78" TO 84°51'28.12"	NH143	2		1.5	BLACK TOPPED	BLACK TOPPED	GOVT	ATTGHAT,NH143-1.5KM

D2	KANSAR SANDBED,AT:- KANSAR, KHATA NO-94, PLOT NO-211/P, KISSAM- NADI, LATITUDE OF 22°09'20.35"N TO 22°09'35.20"N AND LONGITUDE OF 84°50'46.05"E TO 84°51'13.48"E.	NH143	1	3.5	BLACK TOPPED	BLACK TOPPED	GOVT	KANSAR,NH143-3.5KM
D3	BHALUPATRA SAND BEDAT:- BRAHMANITARANG, KHATA NO-46, PLOT NO-1/1 & 1/2, KISSAM-NADI, 22° 15' 02.56"N TO 22° 15' 11.73"N AND LONGITUDES OF 84°43' 04.95"E TO 84°43' 28.99"E.	SH10		2.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHMANITARANG,SH 10-2.5KM
D4	BELDIHI SANDBED-II,AT:- BELDIHI,KHATA NO-146, PLOT NO- 1/P, NADI- KISSAM, 22° 15' 03.2"N TO 22° 15' 09.8"N AND LONGITUDES OF 84°46' 32.9"E TO 84°46' 42.6"E.	NH143	1	1.5	BLACK TOPPED	BLACK TOPPED	GOVT	BELDIHI NH143-1.5KM
D5	LUNGEI SANDBED,..AT:- KALUNGA,KHATA NO-80, PLOT NO- 1/P, KISSAM- NADI, 22° 14' 51.78"N TO 22°14' 57.71"N AND LONGITUDES OF 84°46' 05.26"E TO 84°46' 23.12"E.	NH143	1	2	BLACK TOPPED	BLACK TOPPED	GOVT	LUNGEI,NH143-2KM
D6	BALANI SAND BED ,AT:- LATHIKATA,KHATA NO-127, PLOT NO- 1161/1, KISSAM- NADI, 22° 05' 28.58"N TO 22° 05' 36.14"N AND LONGITUDES OF 84°52' 18.80"E TO 84°52' 32.14"E.	NH143		3.5	BLACK TOPPED	BLACK TOPPED	GOVT	LATHIKATA,NH143-3.5KM
D7	TAINSER SAND BED,AT:- TAINSER, KHATA NO-229, PLOT NO-463/P, KISSAM- NADI, LATITUDES OF 22°05'51.79"N TO 22°05'59.36"N AND LONGITUDE OF 84°51'09.74"E TO 84°51'20.04"E	NH143	1	5	BLACK TOPPED	BLACK TOPPED	GOVT	TAINSER,NH143-5KM

E1	TUMKELA SAND BED,KHATA NO-01, PLOT NO-31/P, KISAM-NADI, LATITUDE- 21 49' 44.83" N TO 21 49' 54.89" N AND LONGITUDE- 84 56' 00.07" E TO 84 56' 11.30" E	SH10A			5	BLACK TOPPED	BLACK TOPPED	GOVT	TUMKELA,SH10A-5KM
E2	KENAPALI SAND BED,KHATA NO-1 PLOT NO-41/P KISAM-NADI AREA-AC. 12.35 LATITUDE- 21°50'32.04" N TO 21°50'41.18" N LONGITUDE- 84°56'46.00" E TO 84°56'54.49" E	NH143			4.5	BLACK TOPPED	BLACK TOPPED	GOVT	KENAPALI,NH143-4.5KM
E3	LUTHURBA SAND BEDKHATA NO-1 PLOT NO-12/P,10/P,11/P,09/P KISAM-NADI AREA-AC. 12.35 LATITUDE-21°50'19.31" N TO 21°50'28.41" N LONGITUDE- 84°53'42.95" E TO 84°53'54.25" E	NH143	5		1.5	BLACK TOPPED	BLACK TOPPED	GOVT	LUTHURBA,NH143-1.5KM
E4	DIGI SAND BEDKHATA NO-1 PLOT NO-92/P KISAM-NADI AREA-AC. 12.35 LATITUDE- 21°46'43.5" N TO 21°46'53.4" N LONGITUDE- 84°58'39.5" E TO 84°58'49.7" E	SH10A			2	BLACK TOPPED	BLACK TOPPED	GOVT	DIGI,SH10A-2KM
E5	BIRTOLA SAND BED-A BRAHMANINADI "KHA"KHATA NO-1 PLOT NO-29/P & 30/P, KISAM-NADI, LAT- , LONG-	NH143			0.7	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHMANINADI "KHA",NH143-0.7KM
E6	POIGAON SAND BED-AKHATA NO-01, PLOT NO-76/P,77/P KISAM- NADI, AREA IN AC-10.60	NH10A			2	BLACK TOPPED	BLACK TOPPED	GOVT	POIGAON,NH10A-2KM
E7	SUARPALI SAND BED-AKHATA NO-01, PLOT NO-83/P,84/P KISAM- NADI, AREA IN AC-12.50	NH143			8	BLACK TOPPED	BLACK TOPPED	GOVT	SUARPALI,NH143-8KM
E8	LADAM SAND BED-AKHATA NO-01, PLOT NO-44/P,46/P KISAM-NADI, AREA IN AC-12.35	NH10A			4.5	BLACK TOPPED	BLACK TOPPED	GOVT	LADAM,NH10A-4.5KM
F1	KUCHEITA SAND BED,MOUZA-KUCHEITA, KHATA NO. 78 (A.A.A.), PLOT NO. 121/799/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.),	NH143			1	BLACK TOPPED	BLACK TOPPED	GOVT	KUCHEITA,NH143-1KM

F2	NARENDRA SAND BED-2,MOUZA- BRAHMANI NADI"KHA", KHATA NO. 1(A.A.A.), PLOT NO. 18/P, KISAM- NADI, AREA- AC.19.80DEC. 21°49'34.62"N TO 21°49'49.37"N AND LONGITUDE OF 84°54'39.82"E TO 84°54'46.46"E.	NH143			3	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHMANINADI "KHA",NH143-3KM
F3	BARTENGDA SAND BEDMOUZA- BRAHMANI NADI "GA", KHATA NO. 1, PLOT NO. 14/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 21°53'12.98" TO 21°53'02.51" AND LONGITUDE OF 84°51'15.67" TO 84°51'07.61"	NH143	2		7.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHMANI NADI "GA",NH143-7.5KM
F4	RANIAMRABATIPUR SAND BEDMOUZA- BRAHMANI NADI "GA", KHATA NO. 1, PLOT NO. 11/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 21°53'18.43"N TO 21° 53'27.69"N AND LONGITUDE OF 84°51'01.02"E TO 84°51'07.09"E	NH143			8	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHMANI NADI "GA",NH143-8KM
F5	CHHIDI SAND BED,MOUZA- CHHIDI, KHATA NO. 49, PLOT NO. 456/486/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 22° 03'48.94"N TO 22° 03'57.12"N AND LONGITUDE OF 84°53'02.28"E TO 84°53'11.53"E	NH143	3		3	BLACK TOPPED	BLACK TOPPED	GOVT	CHHIDI,NH143-3KM
F6	PITAGAON SAND BEDMOUZA- BRAHMANI NADI "KA", KHATA NO. 1, PLOT NO. 5/P, 6/P, KISAM- NADI, AREA- AC.4.35DEC. & AC.8.00DEC., TOTAL= AC.12.35DEC.(5.00HA.), LATITUDE OF 22°01'45.42"N TO 22°02'09.10"N AND LONGITUDE OF 84°52'27.98"E TO 84°52'35.46"E	NH143	1		4.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHMANI NADI "KA",NH143-4.5KM

G1	TETERKELA SAND BEDKHATA NO.84, PLOT NO.526/527/1, LATITUDES OF 22°17'38.29"N TO 22°17'47.72"N AND LONGITUDE OF 84°58'41.64"E TO 84°58'54.05"E	NH320D			6	BLACK TOPPED	BLACK TOPPED	GOVT	TETERKELA,NH320D-6KM
G2	GOPPUR SAND BEDKHATA NO-102, PLOT NO-638/1, LATITUDE OF 22°22'28.96"N TO 22°22'55.49"N AND LONGITUDE OF 84°54'59.03"E TO 84°55'05.83"E	NH320D	1		17	BLACK TOPPED	BLACK TOPPED	GOVT	GOPPUR,NH320D-17KM
G3	LANKOI SAND BEDK.NO. 137 PLOT NO. 712/1459/1 AC.8.62 PLOT NO. 620/1458 AC.3.28 TOTAL AC. 11.90LATITUDE OF 22°19'20.20"N TO 22°19'47.32"N AND LONGITUDE OF 84°56'32.07"E TO 84°56'41.33"E	NH320D	1		9	BLACK TOPPED	BLACK TOPPED	GOVT	LANKOI NH320D-9KM
G4	JAHARITOLI SAND BEDK.NO. 67 PLOT NO. 459/1 AC.1.50 PLOT NO. 460/1 AC. 10.28 TOTAL AC.11.78 , LATITUDE OF 22°23'47.77"N TO 22°24'04.09"N AND LONGITUDE OF 84°54'37.04"E TO 84°54'43.44"E	NH143			18	BLACK TOPPED	BLACK TOPPED	GOVT	JAHARITOLI NH143-18KM
G5	DALKI SAND BEDDALKI , KHATA NO.203, PLOT NO.756/1708/P, AC.10.00, KISAM-NADI, LATITUDES OF 22°18'44.19"N TO 22°18'49.95"N AND LONGITUDE OF 84°31'06.33"E TO 84°30'56.65"E	NH143			1	BLACK TOPPED	BLACK TOPPED	GOVT	DALKI,NH143-1KM
H1	GHOGHAR SAND BED-B KHATA NO.171 PLOT NO.457/P, AC.7.00, LATITUDE 22°20'19.1"N TO 22°20'27.2"N, LONGITUDE 83°59'35.3"E TO 83°59'40.3"E	SH4			4.5	BLACK TOPPED	BLACK TOPPED	GOVT	GHOGHAR SH4-4.5KM

H2	KUSUMURA SAND BEDKUSUMURA, KH NO. 203, PLOT NO. 1281/P, KISAM- NADI, AC. 12.00LATITUTE 22°19'26.652" TO 22°19'34.356"N, LONGITUTE – 83°59'51.756" TO 83°59'58.308E	SH4			5.5	BLACK TOPPED	BLACK TOPPED	GOVT	KUSUMURA SH4-5.5KM
H3	BANKIDIHI SAND BED,BANKIDIHI, KH NO- 48, PLOT NO. 270/457/P, KISAM- NADI, AC.10.45, LATITUTE 22°20'49.62" TO 22°21'0.07"N, LONGITUTE – 83°59'2.01" TO 83°59'12.28"E	SH4			3	BLACK TOPPED	BLACK TOPPED	GOVT	BANKIDIHI ,SH4-3KM
H4	TELIJORE SAND BEDTELIJORE, KH NO- 179, PLOT NO- 1759/P, KISAM-NADI, AC.8.30, LATITUTE 22O21'13.943" N TO 22O21'22.732" N, LONGITUTE – 83O58'46.931"E TO 83O58'55.844"E	SH4			2.5	BLACK TOPPED	BLACK TOPPED	GOVT	TELIJORE,SH4-2.5KM
H5	LULKIDIHI SAND BEDLULKIDIHI, KH NO- 549,PLOT NO- 2202/4515, KISAM- NADI, AC.7.21, LATITUTE 22°31'26.87" TO 22°31'47.91" N, LONGITUTE – 83°59'9.72" TO 84°59'48.78"E	SH4			2	BLACK TOPPED	BLACK TOPPED	GOVT	LULKIDIHI,SH4-2KM
H6	GHOGHAR SAND BED (A)GHOGHAR , KH NO. 171, PLOT NO. 1416/1460/P, KISAM- NADI, LAT- 22°19'26.652" TO 22°19'34.356", LONG- 83°59'51.756" TO 83°59'58.308	SH4			4.5	BLACK TOPPED	BLACK TOPPED	GOVT	GHOGHAR,SH4-4.5KM
H7	KAINTARA SAND BEDKAINTARA , KH NO. 111, PLOT NO. 1074/1329/P, KISAM- NADI, LAT- 22°18'45.93" TO 22°18'50.86", LONG-84°00'51.94" TO 84°00'58.28	SH4			5	BLACK TOPPED	BLACK TOPPED	GOVT	KAINTARA,SH4-5KM
I1	CHUNGIMATI SAND BED,MOUZA: CHUNGIMATI KHATA NO:93 PLOT NO. 507 KISAM : NADII, LATITUDE OF 22°14'15.29"N TO 22°14'17.90"N AND LONGITUDE OF 84°41'18.74"E TO 84°41'26.75"E	SH10			2.5	BLACK TOPPED	BLACK TOPPED	GOVT	CHUNGIMATI,SH10- 2.5KM

J1	SUBALAYA SAND BED KHATA NO-153, PLOT NO-118,1314,439,491/P, LATITUDE 22°7'52.22" TO 22°8'33.27" N, LONGITUDE 84°4'25.28" TO 84°5'15.22"	SH4			6.5	BLACK TOPPED	BLACK TOPPED	GOVT	SUBALAYA,SH4-6.5KM
J2	JAISAR SAND BED,KHAT NO-190, PLOT NO-1/1, 113/1, KISAM-NADI, LATITUDES OF 22°16'38.57" TO 22°16'50.05" N AND LONGITUDES OF 84°03'27.01" TO 84°03'34.62"	SH24	1		5.5	BLACK TOPPED	BLACK TOPPED	GOVT	JAISAR,SH24-5.5KM
J3	GAILO SAND BED,KHATA NO-145, PLOT NO-1083/P, KISAM-NADI, LATITUDE N22°15'16.02" TO 22°15'25.04" LONGITUDE E85°04'34.06" TO 85°04'44.09"					BLACK TOPPED	BLACK TOPPED	GOVT	GAILO
J4	BHOJPUR SAND BED,KHATA NO-69, PLOT NO-1, KISAM-NADI, LATITUDE N22 8'21.4" TO N22 08'35.2" LONGITUDE E 84°03'26.03" TO 84°03'31.09"	SH10			1	BLACK TOPPED	BLACK TOPPED	GOVT	BHOJPUR,SH10-1KM
J5	KANIKA SAND BED,KHATA NO-67, PLOT NO-814/831, LATITUDE 22°09'31.27" N TO 22°09'40.32" N, LONGITUDE 84°05'08.13" E TO 84°05'22.34" E	SH24			2.5	BLACK TOPPED	BLACK TOPPED	GOVT	KANIKA,SH24-2.5KM
J6	MALIDIHI SAND BED, KHATA NO-49, PLOT NO-01/P, LATITUDE 22°09'31.27" TO 22°09'40.332" N, LONGITUDE 84°05'08.13" TO 84°05'22.34"E	SH24			2.5	BLACK TOPPED	BLACK TOPPED	GOVT	MALIDIHI,SH24-2.5KM
J7	BARPALI SAND BEDKHATA NO-69, PLOT NO-874/P, KISAM-NADI, LATITUDE 22°18'41.60" TO 22°18'51.60"N LONGITUDE 84°1'3.40" TO 84°1'12.50" &	SH4	1		5.5	BLACK TOPPED	BLACK TOPPED	GOVT	BARPALI,SH4-5.5KM
J8	BHAGAPALI SAND BEDKHATA NO-71, PLOT NO-1/P, KISAM-NADI, LATITUDE 22 12'53.91"N TO 22 13'03.67"N LONGITUDE 84 05'47.66"E TO 84 05'56.46"E	SH24			2	BLACK TOPPED	BLACK TOPPED	GOVT	BHAGAPALI,SH24-2KM

J9	KUKURIDIHI SAND BED KHATA NO-172, PLOT NO-1/P, KISAM-NADI, LATITUDE 22 15'10.95"N TO 22 15'16.92"N LONGITUDE 84 04'34.26"E TO 84 04'40.98"E	SH24			4	BLACK TOPPED	BLACK TOPPED	GOVT	KUKURIDIHI,SH24-4KM
J10	GILKUDAR SAND BEDKHATA NO-20, PLOT NO-1/P,KISAM-NADI, LATITUDE 22 10'33.0"N TO 22 10'42.0"N LONGITUDE 84 06'04.9"E TO 84 06'13.4"E	SH24			1	BLACK TOPPED	BLACK TOPPED	GOVT	GILKUDAR,SH24-1KM
K1	SURGUDA SANDKHATA NO-173, PLOT NO-607, KISAM-NADI, LATITUDE OF 22°06'17.84" TO 22°06'33.60" N AND LONGITUDE OF 83°49'57.72" TO 83°50'37.48"E.	SH10			22	BLACK TOPPED	BLACK TOPPED	GOVT	SURGUDA,SH10-22KM
K2	LEPHRIPARA SAND,KHATA NO-245, PLOT NO-1636/2145, 1682/1 KISAM-NADI, LATITUDE OF 22°06'58.98"N TO 22°06'58.98" TO 22°07'11.35" N AND LONGITUDE OF 83°48'09.40" TO 83°48'38.98"E.	SH10			28	BLACK TOPPED	BLACK TOPPED	GOVT	LEPHRIPARA,SH10-28KM
K3	LUTHURKEND SANDKHATA NO-30,14,68,459, PLOT NO-65 KISAM-NADI, LATITUDE OF 22°09'19.60"N TO 22°09'29.45"N AND LONGITUDE OF 83°43'04.63"E TO 83°43'28.02"E	SH10			36	BLACK TOPPED	BLACK TOPPED	GOVT	LUTHURKEND,SH10-36KM
L1	KOLASAH I SAND MOUZA-BRAHAMANI "KHA", KHATA NO-1, PLOT NO.- 60/P, LATITUDES - FROM 21°49'12.00" TO 21°49'18.76" N, LONGITUDES- 84°57'55.98" TO 84°57'48.14"	SH10A			2.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI "KHA",SH10A-2.5KM
L2	SABARA SANDMOUZA-SABARA(BRAHAMANI NADI), KHATA NO- 36, PLOT NO.- 15/551					BLACK TOPPED	BLACK TOPPED	GOVT	SABARA

L3	SANGAGUA SAND"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 116/P & 117/P, LATITUDE -21°44'17.58" TO 21°44'25.03", LONGITUDE- 84°56'32.01" TO 84°56'39.71"	NH143	2	5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA",NH143-5KM
L4	BALIATOTA SANDMOUZA- BRAHAMANI "KHA"KHATA NO- 1, PLOT NO.- 56/P,KISSAM- NADI, LONG- 84°57'53.05" TO 84°57'58.48" LAT- 21°49'34.84" TO 21°49'41.41"	SH10A		3.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA",SH10A-3.5KM
L5	TENDRA-II SAND BEDMOUZA- BRAHAMANI "KHA"KHATA NO- 1, PLOT NO.- 149/P, 151/P, KISSAM- NADI, LATITUDES OF 21°41'14.76"N TO 21°41'29.13"N AND LONGITUDE OF 84°56'51.27"E TO 84°56'56.88"E	SH10A	2	5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA",SH10A-5KM
L6	DEOGAON-II SAND BEDMOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 34/P, 35/P, KISSAM- NADI	NH143		4.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA",NH143-4.5KM
L7	KULANGE BASTI SAND BED,MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 63/P, 64/P, KISSAM-NADI, LATITUDE OF 21°48'39.37" N TO 21°48'52.49" N AND LONGITUDE OF 84°57'51.40"E TO 84°57'57.99"E	SH10A		2	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA",SH10A-2KM
L8	BADGAON SAND BEDMOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 147/P, 148/P, KISSAM-NADI, LATITUDES OF 21°41'39.13"N TO 21°41'49.74"N AND LONGITUDE OF 84°56'38.68"E TO 84°56'42.28"E	SH10A		5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA",SH10A-5KM

L9	GILLI SAND BED,MOUZA-BRAHAMANI "KHA", KHATA NO-1, PLOT NO.- 134/P,KISSAM-NADI,LAT OF 210 42'09.92"N TO 210 42'19.68"N AND LONG OF 84054'22.31"E TO 84054'33.79"E	SH10A	4		9	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI "KHA",SH10A-9KM
L10	UPURDA SAND"MOUZA-BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 69/P, 70/P"LATITUDE OF 210 47'55.02"N TO 210 48'12.78"N AND LONGITUDE OF 84058'03.15"E TO 84058'06.91"E	SH10A	3		2.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI "KHA",SH10A-2.5KM
L11	CHANDIPOS SAND"MOUZA-BRAHAMANI "KHA"KHATA NO-1, PLOT NO.- 98/P, 101/P,102/P", LATITUDE OF 21°43'52.77" TO 21°44'05.79" AND LONGITUDE OF 84°68'19.20" TO 84°68'49.49"					BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI "KHA"
L12	TENDRA SAND"MOUZA-BRAHAMANI "KHA"KHATA NO-1, PLOT NO.- 143, 141, LATITUDE OF 21041'55.58"N TO 21042'03.22"N AND LONGITUDE OF 84055'27.09"E TO 84055'55.85"E	SH10A	3		6.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI "KHA",SH10A-6.5KM
L13	BONEIKELA SAND"MOUZA-BRAHAMANI "KHA"KHATA NO-1, PLOT NO.- 128, LATITUDE- 21°43'20.25" N TO 21°43'28.21"N, LONGITUTE- 84°54'50.26"E TO 84°54'04.28"E"	NH143	5		4.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI "KHA",NH143-4.5KM
M1	TARKERA SAND-3 VILLAGE-TARKERA,KHATA NO.22,PLOT NO.424/1289/P THE LEASE AREA IS BOUNDED BY 22°12'36.3"N 84°48'49.0"E 22°15'39.8"N 84° 49' 10.7"E	NH143			1	BLACK TOPPED	BLACK TOPPED	GOVT	TARKERA,NH143-1KM

M2	LUAKERA SAND VILLAGE- LUAKERA,RTU-07,KHATA NO.78,PLOT NO.247/755/P BOUNDED BY N22°16'06.5" TON22°16'10.7" LATITUDE & E84°48'29.5"TOE84°48'47.8"LONG ITUDE	NH320D	1		6.5	BLACK TOPPED	BLACK TOPPED	GOVT	LUAKERA,NH320D- 6.5KM
M3	KOELNAGAR SAND RTU- 27KHATA NO.174,PLOT NO.96/383/P 1.22°16'04.79"N 84°53'26.11"E 2.22°16'07.39"N84°53'24.60"E 3.22°16'19.50"N84°53'36.78"E 4.22°16'16.68"N84°53'39.43"E	NH320D			6	BLACK TOPPED	BLACK TOPPED	GOVT	KOELNAGAR,NH320D- 6KM
M4	TUMKELA SAND,VILLAGE- TUMKELA KHATA NO.02 ,PLOT NO.312/339/P , LATITUDE OF 22016'28.20"N TO 22016'33.70"N AND LONGITUDE OF 84050'36.10"E TO 84050'52.10"E.	NH320D			6.5	BLACK TOPPED	BLACK TOPPED	GOVT	TUMKELA,NH320D- 6.5KM
M5	TARKERA SAND-2,VILLAGE- TARKELA,KHTA NO.109,PLOTNO.461/553/P THE LEASE AREA IS BOUNDED BY 22°12'36.0"N 84°48'14.82 9.7"E & 22°15' 41.9",84°48' 50.7"E	NH143			1	BLACK TOPPED	BLACK TOPPED	GOVT	TARKERA ,NH143-1KM
M6	TARKERA SAND-1,KHATA NO- 109, PLOT NO-63/548/P, 410/549/P, 410/552/P,410/551/P,410/550/P, KISSAM-NADI, LATITUDE OF 22012'40.1"N TO 22015'49.80"N AND LONGITUDE OF 84048'14.8"E TO 84048'30.40"E.	NH143			1.5	BLACK TOPPED	BLACK TOPPED	GOVT	TARKERA ,NH143- 1.5KM
M7	PRADHANPALI SAND BED,VILLAGE- PRADHANPALI,RTU-1,KHATA- 138,PLOT NO.1/1196 1. LONG- 84°47'29.99" TO 84°47'25.81" , LAT-22°15'49.05" TO 22°15'39.59"	NH143	1		1	BLACK TOPPED	BLACK TOPPED	GOVT	PRADHANPALI,NH143- 1KM
M8	TUMKELA SAND BED A,ROURKELA TOWN, KHATA-02, PLOT- 312/339/P, KISSAM- NADI, LAT-, LONG-	NH320D			7.5	BLACK TOPPED	BLACK TOPPED	GOVT	TUMKELA,NH320D- 7.5KM

N1	JAMSERA-II SAND BED , KHATA NO-38, PLOT NO-59/331, KISAM-NADI, 5.00HA, LATITUDE OF 22016'31.65"N TO 22016'35.65"N AND LONGITUDE OF 84054'44.65"E TO 84055'01.23"E.	NH320D	1		8	BLACK TOPPED	BLACK TOPPED	GOVT	JAMSERA,NH320D-8KM
N2	KUNDAPOSH SAND BEDKHATA NO-34, PLOT NO-1/386/P, ERLA ,KHATA NO-54, PLOT NO-1/632/P, KISAM-NADI, LAT- 22°19'34.40" TO 22°19'41.73" N LONG- 85°04'24.37" TO 85°04'39.64"E	NH320D	1		12	BLACK TOPPED	BLACK TOPPED	GOVT	KUNDAPOSH,NH320D-12KM
N3	JABAGHAT SAND BED,JABAGHAT , KHATA NO-86, PLOT NO-1/P, KISAM-NADI, 5.00HA, 22016'32.73"N TO 22016'41.70"N AND LONGITUDE OF 84055'39.33"E TO 84055'56.27"E.	NH320D			5.5	BLACK TOPPED	BLACK TOPPED	GOVT	JABAGHAT,NH320D-5.5KM
N4	BAD BAMBUA & MASURIKUDAR SAND BED,MAUZA-BADBAMBUA ,KHATA NO-88, PLOT NO-1/805/P, KISAM-NADI, MAUZA-MASURIKUDAR, KHATA NO-73, PLOT NO-1/P, KISAM-NADI, 5.00HA, 22019'36.79"N TO 22019'44.21"N AND LONGITUDE OF 85001'52.92"E TO 85002'05.34"E.	NH320D			10	BLACK TOPPED	BLACK TOPPED	GOVT	BADBAMBUA,NH320D-10KM
N5	KHATANGKUDAR & UDUSU SAND BED,KHATANGKUDAR , KHATA NO-21, PLOT NO-9/134/P, UDUSHU, KHATA NO-139, PLOT NO-1/1668/P, KISAM-NADI, 4.997HA, LATITUDE OF 22017'21.45"N TO 22017'34.54"N AND LONGITUDE OF 84059'20.79"E TO 84059'32.22"E.	NH320D			4.5	BLACK TOPPED	BLACK TOPPED	GOVT	KHATANGKUDAR,NH320D-4.5KM

N6	JARAIKELA SAND BED, JARAIKELA,KHATA NO-95, PLOT NO-418/526/P, 8.00AC., KISAM- NADI, LATITUDES - AND LONGITUDE-					BLACK TOPPED	BLACK TOPPED	GOVT	JARAIKELA
N7	JAMSER SAND BED-III,KHATA NO-38,PLOT NO-59/331,KISSAM- NADILAT-22.276°,LONG-84.908°	NH320D			10	BLACK TOPPED	BLACK TOPPED	GOVT	JAMSER,NH320D- 10KM
O1	PADMAPUR SAND BED- I,PADMPUR,KH-138 PL.NO.- 422/812/P LATITUDE OF 22015'00.73"N TO 22015'13.06"N AND LONGITUDE OF 84046'12.86"E TO 84046'45.65"E	NH143			1.1	BLACK TOPPED	BLACK TOPPED	GOVT	PADMAPUR,NH143- 1.1KM
O2	PADMAPUR SAND BED- II,PADAMPUR , KHATA NO-138, PLOT NO- 374/813/P,12.00AC,KISAM- NADI,84°45'36.85" TO 84°45'53.15" 22°15'02.36" TO 22°15'07.48"	NH143			3	BLACK TOPPED	BLACK TOPPED	GOVT	PADMAPUR,NH143- 3KM
O3	PADMAPUR SAND BED- III,PADMPUR, KH-138 PL.NO.- 374/813/P, KISAM-NADI, 84°45'29.24" TO 84°45'50.89" 22°15'09.06" TO 22°15'13.64"	NH143			3.5	BLACK TOPPED	BLACK TOPPED	GOVT	PADMAPUR,NH143- 3.5KM
O4	KUARMUNDA SAND BED- I,KUARMUNDA KHATA NO-397, PLOT NO-2876/P, 12.00AC, KISAM-NADI, LATITUDE OF 22016'01.87"N TO 22016'07.48"N AND LONGITUDE OF 84047'35.66"E TO 84047'59.29"E.	NH143	3		2.5	BLACK TOPPED	BLACK TOPPED	GOVT	KUARMUNDA,NH143- 2.5KM
O5	KUARMUNDA SAND-II, KHATA NO-397, PLOT NO-2879/P, 8.00AC, KISAM-NADI, LATITUDE OF 22015'16.29"N TO 22015'25.76"N AND LONGITUDE OF 84047'40.92"E TO 84047'49.52"E.	NH143	2		1.5	BLACK TOPPED	BLACK TOPPED	GOVT	KUARMUNDA,NH143- 1.5KM

O6	USHRA GHAT-I SAND BED, KHATA NO-263, PLOT NO-2256/P, KISAM-NADI, 4.856HA, LATITUDE OF 22014'54.17"N TO 22015'03.00"N AND LONGITUDE OF 84042'19.45"E TO 84042'32.88"E.	NH143			7	BLACK TOPPED	BLACK TOPPED	GOVT	USHRA,NH143-7KM
O7	USHRA SAND BED-II,USHRA GHAT, KHATA NO-263, PLOT NO-2364/P, KISAM-NADI, 4.856HA, LATITUDE OF 22014'36.36"N TO 22014'48.01"N AND LONGITUDE OF 84042'02.51"E TO 84042'11.90"E.	SH10	1		2.5	BLACK TOPPED	BLACK TOPPED	GOVT	USHRA,SH10-2.5KM
O8	CHANDIPOSH SAND BED, KHATA NO-47, PLOT NO-159/P, KISAM-NADI, 4.856HA, LATITUDE OF 22°15'10.32"N TO 22°15'16.96"N AND LONGITUDE OF 84°44'07.39"E TO 84°44'16.16"E.	NH143	3		4	BLACK TOPPED	BLACK TOPPED	GOVT	CHANDIPOSH,NH143-4KM
O9	BIJUBANDH SAND BED,BIJUBANDH, KHATA NO-58, PLOT NO-216/P, 12.00AC., KISAM-NADI, LATITUDES OF 22°16'37.70"N TO 22°16'43.71"N AND LONGITUDE OF 84°50'56.76"E TO 84°51'09.97"E.	NH320D	1		6	BLACK TOPPED	BLACK TOPPED	GOVT	BIJUBANDH,NH320D-6KM
O10	SARANDAPOSH SAND BED,SARANDAPOSH,KH.NO.-84,PL.NO.479/P, KISAM-NADI, 84°45'03.78" TO 84°45'22.48" 22°15'09.34" TO 22°15'14.47"	NH143			3.5	BLACK TOPPED	BLACK TOPPED	GOVT	SARANDAPOSH,NH143-3.5KM
O11	PASARA SAND BED,KHATA NO-81, PLOT NO-838/P, KISAM-NADI, LATITUDE OF 22°16'08.3"N TO 22°16'15.2"N AND LONGITUDE OF 84°52'11.2"E TO 84°52'51.8"E.	NH320D			9.5	BLACK TOPPED	BLACK TOPPED	GOVT	PASARA,NH320D-9.5KM

O12	JAMUNANAKI SAND BED-II, KHATA NO-75, PLOT NO-405/1, 405/415/P, KISAM-NADI, LATITUDES OF 22°14'40.16"N TO 22°14'29.62"N AND LONGITUDE OF 84°47'37.78"E TO 84°47'52.82"E	NH143			2.5	BLACK TOPPED	BLACK TOPPED	GOVT	JAMUNANAKI, NH143-2.5KM
O13	BIJUBANDH SAND BED-A, BIJUBANDH, KHATA NO-58, PLOT NO-92/P1, 92/P2, 8.00AC., KISAM-NADI, LATITUDES - AND LONGITUDE-	NH320			7	BLACK TOPPED	BLACK TOPPED	GOVT	BIJUBANDH NH320-7KMM
P1	TARKERA SAND BED-I, KHATA NO-155, PLOT NO-528/P, KISAM-JALA BHANDAR , 9.10AC, PLOT-528/1304P, KISAM-NADI, 2.14AC, LATITUDE OF 22°20'40.24" TO 22°20'55.13" N AND LONGITUDE 84°29'52.49" TO 84°30'00.36"E	NH143H			3.5	BLACK TOPPED	BLACK TOPPED	GOVT	TARKERA, NH143H-3.5KM
P2	TARKERA SAND BED-IITARKERA , KHATA NO-154, PLOT NO-931/1309/P, 6.80AC, KISAM-JALA BHANDAR , LATITUDE OF 22°19'52.27" TO 22°19'58.67" N AND LONGITUDE OF 84°30'08.07" TO 84°30'15.09"E.	NH143H			1.5	BLACK TOPPED	BLACK TOPPED	GOVT	TARKERA, NH143H-1.5KM
P3	SAMLEIMUNDA SAND BED-ISAMLEIMUNDA , KHATA NO-158, PLOT NO-706/2156/P, 6.30AC, KISAM-JALA BHANDAR , LATITUDE OF 22°19'31.62"N TO 22°19'36.10"N AND LONGITUDE OF 84°29'58.22"E TO 84°30'05.47"E.	NH143H			4.5	BLACK TOPPED	BLACK TOPPED	GOVT	SAMLEIMUNDA, NH143H-4.5KM
P4	UDURMA SAND BED-I, UDURMA , KHATA NO-144, PLOT NO-1/P, KISAM-NADI, LATITUDE OF 21°21'36.99" TO 21°21'46.71"N AND LONGITUDE 84°29'2.32" TO 84°28'57.06"E.	NH143H			4	BLACK TOPPED	BLACK TOPPED	GOVT	UDURMA, NH143H-4KM

P5	LAXMIPOSH SAND BED- ILAXMIPOSH KHATA NO-85, PLOT NO-683/1289/P, KISAM- JALA BHANDAR, LATITUDE OF 22°18'35.99" TO 22°18'39.80" N AND LONGITUDE OF 84°31'03.26" TO 84°31'13.50"E.	NH143H			1.5	BLACK TOPPED	BLACK TOPPED	GOVT	LAXMIPOSH,NH143H- 1.5KM
----	---	--------	--	--	-----	--------------	--------------	------	----------------------------

CLUSTER NO.	TRANSPORTATION ROUTE NO.	NUMBER OF TIPPERS/DAY OF CLUSTER	NUMBER OF TIPPERS/ DAY OF ALL THE CLUSTER ON ROUTE	LENGTH OF ROUTE IN KM	TYPE OF ROAD (BLACK TOPPED/UNPAVED)	RECOMMENDATION FOR ROAD (BLACK TOPPED/UNPAVED)	THE ROAD WILL BE CONSTRUCTED BY GOVT/LEASE OWNER	ROUTE MAP & LOCATION
1	NH143			1	BLACK TOPPED	BLACK TOPPED	GOVT	TARKERA ,NH143-1KM
	NH143			1.5	BLACK TOPPED	BLACK TOPPED	GOVT	TARKERA ,NH143-1.5KM
2	NH143			1.1	BLACK TOPPED	BLACK TOPPED	GOVT	PADMAPUR,NH143-1.1KM
	NH143			3	BLACK TOPPED	BLACK TOPPED	GOVT	PADMAPUR,NH143-3KM
	NH143			3.5	BLACK TOPPED	BLACK TOPPED	GOVT	PADMAPUR,NH143-3.5KM
	NH143			3.5	BLACK TOPPED	BLACK TOPPED	GOVT	SARANDAPOSH,NH143-3.5KM
3	NH320D	1		6	BLACK TOPPED	BLACK TOPPED	GOVT	BIJUBANDH,NH320D-6KM
	NH320			7	BLACK TOPPED	BLACK TOPPED	GOVT	BIJUBANDH NH320-7KMM
					BLACK TOPPED	BLACK TOPPED	GOVT	TUMKELA,NH320D-7.5KM
	NH320D			6.5	BLACK TOPPED	BLACK TOPPED	GOVT	TUMKELA,NH320D-6.5KM

Final List of Potential Mining Leases (existing & proposed)

Rivers:

LEASE NO.	RIVER DETAILS	LEASE DETAILS	AREA (IN HA)	DISTANCE (IN KM) FROM PA/BR/WC/	DISTANCE FROM FOREST AREA (IN KM)	MINING LEASES WITHIN 500 METERS (IF YES CLUSTER AREA)	TOTAL EXCAVATION IN CU.M/ANNUM CONSIDERING DIGGING DEPTH MAX AS 3 METERS	MINERAL TO BE MINED (SAND/ BAJRI/ RBM ETC.)	EXISTING/ PROPOSED
A1	IB RIVER	NUA-AMLIPALI SAND BED-II,MOUZA- NUA-AMLIPALI, KHATA NO.- 381, PLOT NO- 397/P, KISAM- RIVER LATITUDE OF 22°07'30.39"N TO 22°07'38.88"N AND LONGITUDE OF 84°00'56.88"E TO 84°01'10.41"E.	4.856	PA-35,BR-1.5	35	NO	82556	39040	EXISTING
A2	IB RIVER	CHITABHANGA SAND,MOUZA-CHITABHANGA KHATA NO.- 474, PLOT NO-2413/P, KISAM- RIVER LATITUDE- 22°05'38.30" TO 22°05'47.60" LONGITUDE- 84°00'47.70" TO 84°00'50.70"	4.087	PA-32,BR2.6-	32	NO	19830	64540	EXISTING
A3	IB RIVER	LANKAHUDA SAND,MOUZA- LANKAHUDA, KHATA NO.- 150, PLOT NO- 1/P, KISAM- RIVER LATTITUDE- 22°02'37.59"N TO 22°02'43.84"N LONGITUDE- 83°59'32.59"E TO 83°59'37.15"E "	1.983	PA-27,BR-1	27	NO	37637	15778	EXISTING
A4	IB RIVER	BHASMA SAND,MOUZA- BHASMA, KHATA NO.- 133, PLOT NO-1/ 1384/P, KISAM- RIVER LATTITUDE- 21°57'38.12"N TO 21°57'46.81"N LONGITUDE- 84°01'51.51"E TO 84°01'59.85"E	3.763	PA-25,BR-0.15	25	NO	33489	31816	EXISTING
A5	IB RIVER	KAINSARA SAND-I,MOUZA- KAINARA, KHATA NO.- 86, PLOT NO- 96/1146/P, 6.00AC KISAM- RIVER, MOUZA- DEULI, KHATA NO.- 257, PLOT NO- 2668/P,6.00AC KISAM- RIVER, LATITUDE OF 21°58'30.42"N TO 21°58'34.22"N AND LONGITUDE OF 84°02'31.39"E TO 84°02'46.81"E	4.856	PA-27.5,BR-0.43	27.5	NO	45381	28276	EXISTING
C1	IB RIVER	BILAIGARH SAND BED,BILAIGARH , KHATA NO. 217, PLOT NO. 1240/1 KISAM- NADI, LAT- 221°56'29.85" TO 21°56'39.72"N, LON- 84°00'52.27" TO 84°01'05.19"E	4.856			NO	58276.8	50451.6	EXISTING

C2	IB RIVER	KURGA JHARBENI SAND BED,MOUZA-KURGA JHARBENI,KHATA NO-201,PLOT NO-1545/P,AREA-4.046.KISSAM-NADI, LAT-22°04'55.32" TO 22°05'07.17", LONG-83°59'39.51" TO 83°59'48.39"	4.046	PA-32,BR-4.3	32	NO	48552	40776	EXISTING
C3	IB RIVER	LEMLEMA SAND BED,LEMLEMA, KHATA NO. 186 PLOT NO. 132/1645/P, KISSAM NADI, 22°07'51.09" TO 22°07'56.09" &84°01'32.65" TO 84°01'39.62"	4.686	PA-36,BR-2.1	36	NO	56232	45756	EXISTING
C4	IB RIVER	ERGAPITA SAND BED,ERGAPITA, KHATA NO. 34 PLOT NO. 220/P KISSAM NADI, LAT- 21 59' 02.52" N, LON- 84 00' 40.09" E, 84°0'38.82" TO 84°0'45.37" & 21°59'4.80" TO 21°59'16.66"	4.67	PA-27,BR-3.2	27	NO	70113	59649	EXISTING
C5	IB RIVER	NADISUGUDA SAND BED,NADISUGUDA, KHATA NO. 113 PLOT NO. 338/1350 KISSAM NADI, LAT- 22°0'40.90" TO 22°0'50.25" N, LON- 83°59'29.31" TO 83°59'36.98 E	4.795	PA-26,BR-2.5	26	NO	65403	55245	EXISTING
C6	IB RIVER	DALDALI SAND BEDDALDALI, KHATA NO. 158 PLOT NO. 1495/1652/P & 1297/1695/P KISSAM-NADI, LAT- 21°55'9.90" TO 21°55'17.60" LON- 83°59'42.50" TO 83°59'54.40"	3.828	PA-21,BR-6	21	NO	38283	31725	EXISTING
C7	IB RIVER	ABANKELA SAND BEDABANKELA, KHATA NO. 175 PLOT NO. 996/1501 KISSAM NADI, LAT- 21°57'19.29" TO 21°57'29.23" N, LON- 84°01'35.57" TO 83°01'44.63"E	4.694	PA-25,BR-0.6	25	NO	62880	41742	EXISTING
C8	IB RIVER	LEMLEMA TANGARBHADI SAND BED,LEMLEMA, KHATA NO. 186 PLOT NO. 1154/1642/P, KISSAM NADI, 84°3'27.48" TO 84°3'39.73" & 22°8'43.55" TO 22°8'54.41"	4.73	PA-32,BR-6	32	NO	47349	39964	EXISTING
C9	IB RIVER	KIRIPSIRA SAND,KIRIPSIRA, KHATA NO- 108, PLOT NO- 478/P, KISSAM- NADI, LAT- 22°02'40.77" TO 22°02'52.61" , LONG- 83°59'15.99" TO 83°59'26.21"	4.856	PA-27,BR-1.4	27	NO	48562	41660	EXISTING
C10	IB RIVER	REMENDA SAND BED,REMENDA, KHATA NO-184, PLOT NO- 287/1819, KISSAM- NADI,	4.73	PA-,BR-		NO	47348	40210	EXISTING
C11	IB RIVER	REMENDA SAND BED-A,REMENDA, KHATA NO- 184, PLOT NO- 1807/P, KISSAM- NADI, LAT- , LONG-	4.046	PA-26.3,BR-0.7	26.3	NO			PROPOSED
D1	BRAHMANI	ATTAGHAT SANDBED,AT:- ATTGHAT, KHATA NO-61, PLOT NO-484/566, KISSAM-NADI, LATITUDE- 22°08'43.64" TO 22°08'55.98" AND LONGITUDES OF 84°51'18.78" TO 84°51'28.12"	4.856	PA-6,BR-5	6	NO	19473.5	13214.5	EXISTING
D2	BRAHMANI	KANSAR SANDBED,AT:- KANSAR, KHATA NO-94, PLOT NO-211/P, KISSAM- NADI, LATITUDE	4.856	PA-4,BR-6	4	NO	24281.5	20529.5	EXISTING

		OF 22°09'20.35"N TO 22°09'35.20"N AND LONGITUDE OF 84°50'46.05"E TO 84°51'13.48"E.							
D3	SANKH RIVER	BHALUPATRA SAND BEDAT:- BRAHMANITARANG, KHATA NO-46, PLOT NO-1/1 & 1/2, KISSAM- NADI, 220 15' 02.56''N TO 220 15' 11.73''N AND LONGITUDES OF 84043' 04.95''E TO 84043' 28.99''E.	4.45	PA-6,BR-7.2	6	NO	44500	26700	EXISTING
D4	SANKH	BELDIHI SANDBED-II,AT:- BELDIHI,KHATA NO-146, PLOT NO- 1/P, NADI- KISSAM, 22° 15' 03.2''N TO 22° 15' 09.8''N AND LONGITUDES OF 84°46' 32.9''E TO 84°46' 42.6''E.	4.046	PA-7,BR-1.3	7	NO	40460	24276	EXISTING
D5	SANKH	LUNGEI SANDBED..AT:- KALUNGA,KHATA NO-80, PLOT NO- 1/P, KISSAM- NADI, 22° 14' 51.78''N TO 22°14' 57.71''N AND LONGITUDES OF 84°46' 05.26''E TO 84°46' 23.12''E.	4.04	PA-6.5,BR-2	6.5	NO	44408	27833	EXISTING
D6	BRAHMANI RIVER	BALANI SAND BED ,AT:- LATHIKATA,KHATA NO-127, PLOT NO- 1161/1, KISSAM- NADI, 220 05' 28.58''N TO 220 05' 36.14''N AND LONGITUDES OF 84052' 18.80''E TO 84052' 32.14''E.	4.85	PA-4,BR-6	4	NO	135979	41368	EXISTING
D7	BRAHMANI RIVER	TAINSER SAND BED,AT:- TAINSER, KHATA NO-229, PLOT NO- 463/P, KISSAM- NADI, LATITUDES OF 22°05'51.79''N TO 22°05'59.36''N AND LONGITUDE OF84°51'09.74"E TO 84°51'20.04"E	4.047	PA-6,BR-0.88	6	NO	43109	36655	EXISTING
E1	BRAHMANINADI "KHA"	TUMKELA SAND BED,KHATA NO-01, PLOT NO-31/P, KISAM-NADI, LATITUDE- 21 49' 44.83" N TO 21 49' 54.89" N AND LONGITUDE- 84 56' 00.07" E TO 84 56' 11.30" E	4.92	PA-7,BR-3.2	7	NO	43473.1	34283.7	EXISTING
E2	BRAHMANINADI "KHA"	KENAPALI SAND BED,KHATA NO-1 PLOT NO-41/P KISAM-NADI AREA-AC. 12.35 LATITUDE- 21°50'32.04" N TO 21°50'41.18" N LONGITUDE- 84°56'46.00" E TO 84°56'54.49" E	5	PA-6.2,BR-4.4	6.2	NO	50000	30000	EXISTING
E3	BRAHMANINADI "KHA"	LUTHURBA SAND BEDKHATA NO-1 PLOT NO-12/P,10/P,11/P,09/P KISAM-NADI AREA-AC. 12.35 LATITUDE-21°50'19.31" N TO 21°50'28.41" N LONGITUDE- 84°53'42.95" E TO 84°53'54.25" E	5	PA-3,BR-1.1	3	NO	48501	42144	EXISTING
E4	BRAHMANINADI "KHA"	DIGI SAND BEDKHATA NO-1 PLOT NO-92/P KISAM-NADI AREA-AC. 12.35 LATITUDE- 21°46'43.5" N TO 21°46'53.4" N LONGITUDE- 84°58'39.5" E TO 84°58'49.7" E	4.997	PA-8,BR-3	8	NO	49970	29982	EXISTING

E5	BRAHMANINADI	BIRTOLA SAND BED-A BRAHMANINADI "KHA"KHATA NO-1 PLOT NO-29/P & 30/P, KISAM-NADI, LAT- , LONG-	4.997	PA-0.71,BR-0.8	0.71	NO	50000	30000	PROPOSED
E6	BRAHMANINADI	POIGAON SAND BED-AKHATA NO-01, PLOT NO-76/P,77/P KISAM- NADI, AREA IN AC-10.60	4.29	PA-8,BR-2.5	8	NO	42900	25740	PROPOSED
E7	BRAHMANINADI	SUARPALI SAND BED-AKHATA NO-01, PLOT NO-83/P,84/P KISAM- NADI, AREA IN AC-12.50	5.06	PA-5,BR-5	5	NO	50600	30360	PROPOSED
E8	BRAHMANINADI	LADAM SAND BED-AKHATA NO-01, PLOT NO-44/P,46/P KISAM- NADI, AREA IN AC-12.35	5	PA-5.5,BR-2	5.5	NO	50000	30000	PROPOSED
F1	BRAHMANI RIVER	KUCHEITA SAND BED.MOUZA- KUCHEITA, KHATA NO. 78 (A.A.A.), PLOT NO. 121/799/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.)	4.99	PA-1.4,BR-5	1.4	NO	49980	42908	EXISTING
F2	BRAHMANI RIVER	NARENDRA SAND BED- 2.MOUZA- BRAHMANI NADI"KHA", KHATA NO. 1(A.A.A.), PLOT NO. 18/P, KISAM- NADI, AREA- AC.19.80DEC. 21°49'34.62"N TO 21°49'49.37"N AND LONGITUDE OF 84°54'39.82"E TO 84°54'46.46"E.	8.012	PA-4.5,BR-0.85	4.5	NO	77384	68160	EXISTING
F3	BRAHMANI RIVER	BARTENGDA SAND BEDMOUZA- BRAHMANI NADI "GA", KHATA NO. 1, PLOT NO. 14/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 21°53'12.98" TO 21°53'02.51 AND LONGITUDE OF 84°51'15.67" TO 84°51'07.61"	4.997	PA-1.3,BR-6.3	1.3	NO	33452	27738	EXISTING
F4	BRAHMANI RIVER	RANIAMRABATIPUR SAND BEDMOUZA- BRAHMANI NADI "GA", KHATA NO. 1, PLOT NO. 11/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 21°53'18.43"N TO 21°53'27.69"N AND LONGITUDE OF 84°51'01.02"E TO 84°51'07.09"E	4.998	PA-0.34,BR-8	0.34	NO	33909	28979	EXISTING
F5	BRAHMANI RIVER	CHHIDI SAND BED.MOUZA- CHHIDI, KHATA NO. 49, PLOT NO. 456/486/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 22°03'48.94"N TO 22°03'57.12"N AND LONGITUDE OF 84°53'02.28"E TO 84°53'11.53"E	5	PA-1,BR-3	1	NO	49970	43477	EXISTING
F6	BRAHMANI RIVER	PITAGAON SAND BEDMOUZA- BRAHMANI NADI "KA", KHATA NO. 1, PLOT NO. 5/P, 6/P, KISAM- NADI, AREA- AC.4.35DEC. & AC.8.00DEC., TOTAL= AC.12.35DEC.(5.00HA.), LATITUDE OF 22°01'45.42"N TO 22°02'09.10"N AND	4.99	PA-2,BR-0.7	2	NO	41741	32585	EXISTING

		LONGITUDE OF 84052'27.98''E TO 84052'35.46''E							
G1	DEO RIVER	TETERKELA SAND BEDKHATA NO.84, PLOT NO.526/527/1, LATITUDES OF 22°17'38.29"N TO 22°17'47.72"N AND LONGITUDE OF 84°58'41.64"E TO 84°58'54.05"E	4.662	PA-8,BR-0.44	8	NO	69932	59474	EXISTING
G2	DEO RIVER	GOPPUR SAND BEDKHATA NO-102, PLOT NO-638/1, LATITUDE OF 22°22'28.96"N TO 22°22'55.49"N AND LONGITUDE OF 84°54'59.03"E TO 84°55'05.83"E	4.653	PA-20.5,BR-2	20.5	NO	28111.3	17043.6	EXISTING
G3	DEO RIVER	LANKOI SAND BEDK.NO. 137 PLOT NO. 712/1459/1 AC.8.62 PLOT NO. 620/1458 AC.3.28 TOTAL AC. 11.90LATITUDE OF 22°19'20.20"N TO 22°19'47.32"N AND LONGITUDE OF 84°56'32.07"E TO 84°56'41.33"E	4.815	PA-13,BR-0.36	13	NO	26717.6	8821.4	EXISTING
G4	DEV RIVER	JAHARITOLI SAND BEDK.NO. 67 PLOT NO. 459/1 AC.1.50 PLOT NO. 460/1 AC. 10.28 TOTAL AC.11.78 , LATITUDE OF 22°23'47.77"N TO 22°24'04.09"N AND LONGITUDE OF 84°54'37.04"E TO 84°54'43.44"E	4.767	PA-27,BR-0.62	27	NO	19655	7776	EXISTING
G5	IB RIVER	DALKI SAND BEDDALKI , KHATA NO.203, PLOT NO.756/1708/P, AC.10.00, KISAM-NADI, LATITUDES OF 22°18'44.19"N TO 22°18'49.95"N AND LONGITUDE OF 84°31'06.33"E TO 84°30'56.65"E	4.046	PA-12.5,BR-0.65	12.5	NO	20442	16910	EXISTING
H1	IB RIVER	GHOGHAR SAND BED-B KHATA NO.171 PLOT NO.457/P, AC.7.00, LATITUDE 22°20'19.1"N TO 22°20'27.2"N, LONGITUDE 83°59'35.3"E TO 83°59'40.3"E	2.833	PA-48,BR-0.53	48	NO	28330	16998	EXISTING
H2	IB RIVER	KUSUMURA SAND BEDKUSUMURA, KH NO. 203, PLOT NO. 1281/P, KISAM- NADI, AC. 12.00LATITUDE 22°19'26.652" TO 22°19'34.356"N, LONGITUTE – 83°59'51.756" TO 83°59'58.308E	4.856	PA-46.5,BR-1.2	46.5	NO	72843	61720.5	EXISTING
H3	IB RIVER	BANKIDIHI SAND BED,BANKIDIHI, KH NO- 48, PLOT NO. 270/457/P, KISAM- NADI, AC.10.45, LATITUDE 22°20'49.62" TO 22°21'0.07"N, LONGITUTE – 83°59'2.01" TO 83°59'12.28"E	4.228	PA-47,BR-1.7	47	NO	42290	35526	EXISTING
H4	IB RIVER	TELIJORE SAND BEDTELIJORE, KH NO- 179, PLOT NO- 1759/P, KISAM-NADI, AC.8.30, LATITUDE 22°21'13.943" N TO 22°21'22.732"	3.358	PA-2.7,BR-48	48	NO	33589	27822	EXISTING

		N, LONGITUDE – 83°58'46.931"E TO 83°58'55.844"E							
H5	UTTALI	LULKIDIHI SAND BED LULKIDIHI, KH NO-549, PLOT NO- 2202/4515, KISAM- NADI, AC.7.21, LATITUDE 22°31'47.91" TO 22°31'26.87" N, LONGITUDE – 83°59'48.78" TO 83°59'9.72"E	2.917	PA-64,BR-0.83	64	NO	29178	3699	EXISTING
H6	IB RIVER	GHOGHAR SAND BED (A)GHOGHAR , KH NO. 171, PLOT NO. 1416/1460/P, KISAM-NADI, LAT- 22°19'26.652" TO 22°19'34.356", LONG- 83°59'51.756" TO 83°59'58.308	2.023	PA-46.5,BR-1	46.5	NO	17600	14335	EXISTING
H7	IB RIVER	KAINTARA SAND BED KAINARA , KH NO. 111, PLOT NO. 1074/1329/P, KISAM- NADI, LAT- 22°18'45.93" TO 22°18'50.86", LONG- 84°00'51.94" TO 84°00'58.28	0.93	PA-47,BR-3	47	NO	8172	5045	EXISTING
I1	"SANKHA RIVER"	CHUNGIMATI SAND BED, MOUZA: CHUNGIMATI KHATA NO:93 PLOT NO. 507 KISAM : NADII, LATITUDE OF 22°14'15.29"N TO 22°14'17.90"N AND LONGITUDE OF 84°41'18.74"E TO 84°41'26.75"E	3.642	PA-4.4,BR-10	4.4	NO	18212	15421	EXISTING
J1	IB RIVER	SUBALAYA SAND BED KHATA NO-153, PLOT NO-118,1314,439,491/P, LATITUDE 22°7'58.09" TO 22°8'39.3"N, LONGITUDE 84°4'21.5" TO 84°5'21.7"	4.908	PA-29.6,BR-0.86	29.6	NO	49048	7026	EXISTING
J2	IB RIVER	JAISAR SAND BED, KHATA NO-190, PLOT NO-1/1, 113/1, KISAM- NADI, LATITUDES OF 22°16'38.57" TO 22°16'50.05" N AND LONGITUDES OF 84°03'27.01" TO 84°03'34.62"	4.208	PA-,BR-4	48	NO	19528	14576	EXISTING
J3	IB RIVER	GAILO SAND BED, KHATA NO-145, PLOT NO-1083/P, KISAM- NADI,	3.643	PA-,BR-		NO	14789.6	12160.4	EXISTING
J4	IB RIVER	BHOJPUR SAND BED, KHATA NO-69, PLOT NO-1, KISAM- NADI, LATITUDE N 22°8'21.4" TO N 22°08'35.2" LONGITUDE E 84°03'26.03" TO 84°03'31.09"	4.858	PA-,BR-5.5	33	NO	121405	80298	EXISTING
J5	IB RIVER	KANIKA SAND BED, KHATA NO-67, PLOT NO-814/831, LATITUDE 22°09'31.27" N TO 22°09'40.32" N, LONGITUDE 84°05'08.13"E TO 84°05'22.34"E	4.856	PA-30.5,BR-9.5	30.5	NO	67679	62427	EXISTING
J6	IB RIVER	MALIDIHI SAND BED, KHATA NO-49, PLOT NO-01/P, LATITUDE 22°09'31.27" TO 22°09'40.332" N, LONGITUDE 84°05'08.13" TO 84°05'22.34"E	4.856	PA-30.5,BR-9.5	30.5	NO	94814	80640	EXISTING

J7	IB RIVER	BARPALI SAND BEDKHATA NO-69, PLOT NO-874/P, KISAM-NADI, LATITUDE 22°18'41.60" TO 22°18'51.60"N LONGITUDE 84°1'3.40" TO 84°1'12.50" &	4.047	PA-46,BR-3.6	46	NO	40470	24282	EXISTING
J8	IB RIVER	BHAGAPALI SAND BEDKHATA NO-71, PLOT NO-1/P, KISAM-NADI, LATITUDE 22 12'53.91"N TO 22 13'03.67"N LONGITUDE 84 05'47.66"E TO 84 05'56.46"E	2.023	PA-32,BR-4.7	32	NO	20234	14180	EXISTING
J9	IB RIVER	KUKURIDIHI SAND BED KHATA NO-172, PLOT NO-1/P, KISAM-NADI, LATITUDE 22 15'10.95"N TO 22 15'16.92"N LONGITUDE 84 04'34.26"E TO 84 04'40.98"E	1.41	PA-37,BR-0.12	37	NO	14100	8460	EXISTING
J10	IB RIVER	GILKUDAR SAND BEDKHATA NO-20, PLOT NO-1/P,KISAM-NADI, LATITUDE 22 10'33.0"N TO 22 10'42.0"N LONGITUDE 84 06'04.9"E TO 84 06'13.4"E	4.047	PA-31,BR-9	31	NO	121404	63722.5	EXISTING
K1	ICHHA	SURGUDA SANDKHATA NO-173, PLOT NO-607, KISAM-NADI,	19.546	PA-17.5,BR-0.4	17.5	NO	20020	12402	EXISTING
K2	ICHHA	LEPHRIPARA SAND,KHATA NO-245, PLOT NO-1636/2145, 1682/1 KISAM-NADI, LATITUDE OF 220 06'58.98"N TO 22°06'58.98" TO 22°07'11.35" N AND LONGITUDE OF 83°48'09.40" TO 83°48'38.98"E.	8.36	PA-16,BR-3.6	16	NO	10210	1958	EXISTING
K3	ICHHA	LUTHURKEND SANDKHATA NO-30,14,68,459, PLOT NO-65 KISAM-NADI, LATITUDE OF 22009'19.60"N TO 22009'29.45"N AND LONGITUDE OF 83043'04.63"E TO 83043'28.02"E	3.286	PA-14,BR-0.26	14	NO	32860	19716	EXISTING
L1	BRAHAMANI NADI	KOLASAH I SAND MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 60/P, LATITUDES - FROM 21°49'12.00" TO 21°49'18.76" N, LONGITUDES-84°57'55.98" TO 84°57'48.14"	4.77	PA-5,BR-1.7	5	NO	46664	40705	EXISTING
L2	BRAHAMANI NADI	SABARA SANDMOUZA- SABARA(BRAHAMANI NADI), KHATA NO- 36, PLOT NO.- 15/551	2.42811	PA-,BR-		NO	24281.1	14568.66	EXISTING
L3	BRAHAMANI NADI	SANGAGUA SAND"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 116/P & 117/P, LATITUDE -21°44'17.58" TO 21°44'25.03", LONGITUTE-84°56'32.01" TO 84°56'39.71"	3.24	PA-8.4,BR-3.4	8.4	NO	32376	27002	EXISTING
L4	BRAHAMANI NADI	BALIATOTA SANDMOUZA- BRAHAMANI "KHA"KHATA NO- 1, PLOT NO.- 56/P,KISSAM-	2.05	PA-4.5,BR-2.4	4.5	NO	14186	11665	EXISTING

		NADI, LONG- 84°57'53.05" TO 84°57'58.48" LAT- 21°49'34.84" TO 21°49'41.41"							
L5	BRAHAMANI NADI	TENDRA-II SAND BEDMOUZA- BRAHAMANI "KHA"KHATA NO- 1, PLOT NO.- 149/P, 151/P, KISSAM-NADI, LATITUDES OF 21°41'14.76"N TO 21°41'29.13"N AND LONGITUDE OF 84°56'51.27"E TO 84°56'56.88"E	5	PA-0.61,BR- 1.3	0.61	NO	75000	63446	EXISTING
L6	BRAHAMANI NADI	DEOGAON-II SAND BEDMOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 34/P, 35/P, KISSAM-NADI	5	PA-6.7,BR- 0.62	6.7	NO	56094	48885	EXISTING
L7	BRAHAMANI NADI	KULANGE BASTI SAND BED,MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 63/P, 64/P, KISSAM-NADI, LATITUDE OF 21° 48'39.37" N TO 21° 48' 52.49" N AND LONGITUDE OF 84°57' 51.40" E TO 84°57' 57.99" E	5	PA-5.5,BR- 0.48	5.5	NO	75000	63660	EXISTING
L8	BRAHAMANI NADI	BADGAON SAND BEDMOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 147/P, 148/P, KISSAM-NADI, LATITUDES OF 21°41'39.13"N TO 21°41'49.74"N AND LONGITUDE OF 84°56'38.68"E TO 84°56'42.28"E	4.97	PA-2,BR- 0.34	2	NO	57485	50000	EXISTING
L9	BRAHAMANI NADI	GILLI SAND BED,MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 134/P,KISSAM- NADI,LAT OF 21° 42'09.92"N TO 21° 42' 19.68"N AND LONG OF 84°54'22.31" E TO 84°54'33.79" E	4.94	PA-0.6,BR- 3.3	0.6	NO	74181	63485	EXISTING
L10	BRAHAMANI NADI (UPURDA)	UPURDA SAND"MOUZA- BRAHAMANI ""KHA"" KHATA NO- 1, PLOT NO.- 69/P, 70/P"LATITUDE OF 21° 47'55.02"N TO 21° 48'12.78"N AND LONGITUDE OF 84°58'03.15" E TO 84°58'06.91" E	5	PA-6.5,BR- 0.93	6.5	NO	50000	40644	EXISTING
L11	BRAHAMANI NADI (CHANDIPOSH)	CHANDIPOSH SAND"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 98/P, 101/P,102/P", LATITUDE OF 21°43'20.25" TO 21°43'28.21" AND LONGITUDE OF 84°54'50.26" TO 84°54'04.28"	5	PA-3,BR-4	3	NO	50000	23255	EXISTING
L12	BRAHAMANI NADI (TENDRA)	TENDRA SAND"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 143, 141, LATITUDE OF 21°41'55.58"N TO 21°42'03.22"N AND LONGITUDE OF 84°55'27.09" E TO 84°55'55.85" E	5	PA-0.62,BR- 0.9	0.62	NO	75000	60198	EXISTING
L13	BRAHAMANI NADI (BONEIKELA)	BONEIKELA SAND"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 128, LATITUDE- 21°43'20.25" N TO 21°43'28.21"N, LONGITUTE- 84°54'50.26" E TO 84°54'04.28" E"	5	PA-3,BR-4.1	3	NO	49179	42357	EXISTING

M1	BRAHMANI RIVER	TARKERA SAND-3 VILLAGE-TARKERA,KHATA NO.22,PLOT NO.424/1289/P THE LEASE AREA IS BOUNDED BY 22°12'36.3"N 84°48'49.0"E 22°15'39.8"N 84° 49' 10.7"E	4.856	PA-3.5,BR-1.5	3.5	NO	48563	29047	EXISTING
M2	KOEL RIVER,	LUAKERA SAND VILLAGE-LUAKERA,RTU-07,KHATA NO.78,PLOT NO.247/755/P BOUNDED BY N22°16'06.5" TON22°16'10.7" LATTITUDE & E84°48'29.5"TOE84°48'47.8"LONGITUDE	4.856	PA-9,BR-0.61	9	NO	47414.9	42757	EXISTING
M3	KOEL RIVER	KOELNAGAR SAND RTU-27KHATA NO.174,PLOT NO.96/383/P 1.22°16'04.79"N 84°53'26.11"E 2.22°16'07.39"N84°53'24.60"E 3.22°16'19.50"N84°53'36.78"E 4.22°16'16.68"N84°53'39.43"E	4.77	PA-11,BR-1.5	11	NO	5178	3794	EXISTING
M4	KOEL RIVER	TUMKELA SAND,VILLAGE-TUMKELA KHATA NO.02 ,PLOT NO.312/339/P , LATITUDE OF 22016'28.20"N TO 22016'33.70"N AND LONGITUDE OF 84050'36.10"E TO 84050'52.10"E.	6.474	PA-11.6,BR-4.7	11.6	YES	43473.1	34283.7	EXISTING
M5	BRAHMANI RIVER	TARKERA SAND-2,VILLAGE-TARKELA,KHTA NO.109,PLOTNO.461/553/P THE LEASE AREA IS BOUNDED BY 22°12'36.0"N 84°48'14.82 9.7"E & 22°15' 41.9",84°48' 50.7"E	4.844	PA-3.5,BR-1.4	3.5	YES	34005	28494	EXISTING
M6	BRAHMANI RIVER	TARKERA SAND-1,KHATA NO-109, PLOT NO-63/548/P, 410/549/P, 410/552/P,410/551/P,410/550/P, KISAM-NADI, LATITUDE OF 22012'40.1"N TO 22015'49.80"N AND LONGITUDE OF 84048'14.8"E TO 84048'30.40"E.	3.379	PA-3,BR-0.7	3	YES	11293	8702	EXISTING
M7	KOEL RIVER	PRADHANPALI SAND BED,VILLAGE-PRADHANPALI,RTU-1,KHATA- 138,PLOT NO.1/1196 1. LONG-84°47'29.99" TO 84°47'25.81" , LAT-22°15'49.05" TO 22°15'39.59"	3.237	PA-9,BR-1.5	9	NO	32375	13103	EXISTING
M8		TUMKELA SAND BED A,ROURKELA TOWN, KHATA-02, PLOT- 312/339/P, KISSAM- NADI, LAT- , LONG-	2.023	PA-12,BR-4.5	12	YES	20230	12138	PROPOSED
N1	KOEL RIVER	JAMSER-II SAND BED , KHATA NO-38, PLOT NO-59/331, KISAM-NADI, 5.00HA, LATITUDE OF 22016'31.65"N TO 22016'35.65"N AND LONGITUDE OF 84054'44.65"E TO 84055'01.23"E.	5	PA-10,BR-1.6	10	NO	50000	30000	EXISTING
N2	KOEL RIVER	KUNDAPOSH SAND BEDKHATA NO-34, PLOT NO-1/386/P, ERLA ,KHATA NO-54, PLOT NO-1/632/P, KISAM-NADI, LAT-22°19'34.40" TO	4.997	PA-8,BR-0.2	8	NO	40539	34144	EXISTING

		22°19'41.73" N LONG- 85°04'24.37" TO 85°04'39.64"E							
N3	KOEL RIVER	JABAGHAT SAND BED, JABAGHAT , KHATA NO-86, PLOT NO-1/P, KISAM-NADI, 5.00HA, 22016'32.73"N TO 22016'41.70"N AND LONGITUDE OF 84055'39.33"E TO 84055'56.27"E.	5	PA-9,BR-3.1	9	NO	50000	30000	EXISTING
N4	KOEL RIVER	BAD BAMBUA & MASURIKUDAR SAND BED, MAUZA-BADBAMBUA , KHATA NO-88, PLOT NO-1/805/P, KISAM-NADI, MAUZA-MASURIKUDAR, KHATA NO-73, PLOT NO-1/P, KISAM-NADI, 5.00HA, 22019'36.79"N TO 22019'44.21"N AND LONGITUDE OF 85001'52.92"E TO 85002'05.34"E.	5	PA-10,BR-4.7	10	NO	42194	36509	EXISTING
N5	KOEL RIVER	KHATANGKUDAR & UDUSU SAND BED, KHATANGKUDAR , KHATA NO-21, PLOT NO-9/134/P, UDUSHU, KHATA NO-139, PLOT NO-1/1668/P, KISAM-NADI, 4.997HA, LATITUDE OF 22017'21.45"N TO 22017'34.54"N AND LONGITUDE OF 84059'20.79"E TO 84059'32.22"E.	4.997	PA-7.5,BR-0.8	7.5	NO	19992	16848	EXISTING
N6	KOEL RIVER	JARAIKELA SAND BED, JARAIKELA, KHATA NO-95, PLOT NO-418/526/P, 8.00AC., KISAM-NADI, LATITUDES - AND LONGITUDE-	2.21			NO	22100	13260	PROPOSED
N7	KOEL RIVER	JAMSERA SAND BED-III, KHATA NO-38, PLOT NO-59/331, KISSAM-NADILAT-22.276°, LONG-84.908°	1.214	PA-11,BR-0.65	11	NO	12140	7284	PROPOSED
O1	SANKH RIVER	PADMAPUR SAND BED-I, PADMPUR, KH-138 PL.NO.-422/812/P LATITUDE OF 22015'00.73"N TO 22015'13.06"N AND LONGITUDE OF 84046'12.86"E TO 84046'45.65"E	9.55	PA-7.2,BR-0.9	7.2	YES	94647	78335	EXISTING
O2	SANKH RIVER	PADMAPUR SAND BED-II, PADAMPUR , KHATA NO-138, PLOT NO-374/813/P, 12.00AC, KISAM-NADI, 84°45'36.85" TO 84°45'53.15" 22°15'02.36" TO 22°15'07.48"	4.856	PA-8,BR-2.4	8	YES	23260	19740	EXISTING
O3	SANKH RIVER	PADMAPUR SAND BED-III, PADMPUR, KH-138 PL.NO.-374/813/P, KISAM-NADI, 84°45'29.24" TO 84°45'50.89" 22°15'09.06" TO 22°15'13.64"	4.856	PA-7,BR-2.9	7	YES	24282	19461	EXISTING
O4	SANKH RIVER	KUARMUNDA SAND BED-I, KUARMUNDA KHATA NO-397, PLOT NO-2876/P, 12.00AC, KISAM-NADI, LATITUDE OF 22016'01.87"N TO 22016'07.48"N AND LONGITUDE OF 84047'35.66"E TO 84047'59.29"E.	4.856	PA-9,BR-0.3	9	NO	27782.3	17122.3	EXISTING

O5	SANKH RIVER	KUARMUNDA SAND-II, KHATA NO-397, PLOT NO-2879/P, 8.00AC, KISAM-NADI, LATITUDE OF 22015'16.29"N TO 22015'25.76"N AND LONGITUDE OF 84047'40.92"E TO 84047'49.52"E.	3.237	PA-8,BR-0.88	8	NO	13382	11264	EXISTING
O6	SANKH RIVER	USHRA GHAT-I SAND BED, KHATA NO-263, PLOT NO-2256/P, KISAM-NADI, 4.856HA, LATITUDE OF 22014'54.17"N TO 22015'03.00"N AND LONGITUDE OF 84042'19.45"E TO 84042'32.88"E.	4.856	PA-6,BR-8.1	6	NO	48563	41654	EXISTING
O7	SANKH RIVER	USHRA SAND BED-II,USHRA GHAT, KHATA NO-263, PLOT NO-2364/P, KISAM-NADI, 4.856HA, LATITUDE OF 22014'36.36"N TO 22014'48.01"N AND LONGITUDE OF 84042'02.51"E TO 84042'11.90"E.	4.856	PA-5,BR-8.8	5	NO	48563	41726	EXISTING
O8	SANKH RIVER	CHANDIPOSH SAND BED, KHATA NO-47, PLOT NO-159/P, KISAM-NADI, 4.856HA, LATITUDE OF 22°15'10.32"N TO 22°15'16.96"N AND LONGITUDE OF 84°44'07.39"E TO 84°44'16.16"E.	4.856	PA-6.6,BR-5	6.6	NO	48563	42195	EXISTING
O9	KOEL RIVER	BIJUBANDH SAND BED,BIJUBANDH, KHATA NO-58, PLOT NO-216/P, 12.00AC., KISAM-NADI, LATITUDES OF 22°16'37.70"N TO 22°16'43.71"N AND LONGITUDE OF 84°50'56.76"E TO 84°51'09.97"E.	4.856	PA-12,BR-5.3	12	YES	19749	17136	EXISTING
O10	SANKHA RIVER	SARANDAPOSH SAND BED,SARANDAPOSH,KH.NO.-84,PL.NO.479/P, KISAM-NADI, 84°45'03.78" TO 84°45'22.48" 22°15'09.34" TO 22°15'14.47"	4.046	PA-6.6,BR-4	6.6	YES	19696	15828	EXISTING
O11	KOEL RIVER	PASARA SAND BED,KHATA NO-81, PLOT NO-838/P, KISAM-NADI, LATITUDE OF 22°16'08.3"N TO 22°16'15.2"N AND LONGITUDE OF 84°52'11.2"E TO 84°52'51.8"E.	4.78	PA-12,BR-0.15	12	NO	72259	30395	EXISTING
O12	SANKHA RIVER & KOEL RIVER	JAMUNANAKI SAND BED-II,KHATA NO-75, PLOT NO-405/1, 405/415/P, KISAM-NADI, LATITUDES OF 22°14'40.16"N TO 22°14'29.62"N AND LONGITUDE OF 84°47'37.78"E TO 84°47'52.82"E	6.59	PA-6.2,BR-0.13	6.2	NO	26914	23541	EXISTING
O13	KOEL RIVER	BIJUBANDH SAND BED-A,BIJUBANDH, KHATA NO-58, PLOT NO-92/P1,92/P2, 8.00AC., KISAM-NADI, LATITUDES - AND LONGITUDE-	3.237	PA-15,BR-2.6	15	YES	32370	19422	PROPOSED

P1	SANKHA	TARKERA SAND BED-I, KHATA NO-155, PLOT NO-528/P,KISAM-JALA BHANDAR , 9.10AC, PLOT-528/1304P, KISAM-NADI, 2.14AC, LATITUDE OF 22°20'40.24" TO 22°20'55.13" N AND LONGITUDE 84°29'52.49" TO 84°30'00.36"E	4.548	PA-25,BR-4.5	25	NO	45480	36864	EXISTING
P2	SANKHA	TARKERA SAND BED-II TARKERA , KHATA NO-154, PLOT NO-931/1309/P, 6.80AC, KISAM-JALA BHANDAR , LATITUDE OF 22°19'52.27" TO 22°19'58.67" N AND LONGITUDE OF 84°30'08.07" TO 84°30'15.09"E.	2.751	PA-,BR-2.6	23	NO	27500	22776	EXISTING
P3	SANKHA	SAMLEIMUNDA SAND BED-ISAMALEIMUNDA , KHATA NO-158, PLOT NO-706/2156/P, 6.30AC, KISAM-JALA BHANDAR , LATITUDE OF 22°19'31.62"N TO 22°19'36.10"N AND LONGITUDE OF 84°29'58.22"E TO 84°30'05.47"E.	2.55	PA-23,BR-2.6	23	NO	23425	19496	EXISTING
P4	SANKHA	UDURMA SAND BED-I,UDURMA , KHATA NO-144, PLOT NO-1/P, KISAM-NADI, LATITUDE OF 21°21'36.99" TO 21°21'46.71"N AND LONGITUDE 84°29'2.32" TO 84°28'57.06"E.	4.87	PA-28,BR-6.7	28	NO	48760	41131	EXISTING
P5	SANKHA	LAXMIPOSH SAND BED-ILAXMIPOSH KHATA NO-85, PLOT NO-683/1289/P, KISAM- JALA BHANDAR, LATITUDE OF 22°18'35.99" TO 22°18'39.80" N AND LONGITUDE OF 84°31'03.26" TO 84°31'13.50"E.	2.088	PA-20.5,BR-0.18	20.5	NO	15661.5	6000	EXISTING

Patta Lands/Khatedari Land: (existing & proposed)

Owner	Sy. No	Area	District	Tehsil	Village	Total Reserve (MT)	Total Mineral to be mined (MT)	Existing /Proposed
NA	NA	NA	NA	NA	NA	NA	NA	NA

De-Siltation Location: (Lakes/Ponds/Dams etc.) (Existing & proposed)

Name of Reservoir/Dams	Maintain /Controlled by State Govt./PSU etc.	Location	District	Tehsil	Village	Size (Ha)	Quantity MT/Year	Existing /Proposed
NA	NA	NA	NA	NA	NA	NA	NA	NA

M-Sand Plants:(existing & proposed)

Plant Name	Owner	District	Tehsil	Village	Geo- location	Quantity Tonnes/Annum	Existing/Proposed
NA	NA	NA	NA	NA	NA	NA	NA

Final Cluster & Contiguous Cluster details

Clusters:

RIVER NAME	CLUSTER NO.	LEASE NO	LOCATION (RIVERBED / PATTA LAND)	VILLAGE	AREA (IN HA)	TOTAL EXCAVATION (CUM/ANNUM)	TOTAL MINERAL EXCAVATION (CUM/ANNUM)
BRAHMANI RIVER	1	M5	TARKERA SAND-2,VILLAGE-TARKELA,KHTA NO.109,PLOTNO.461/553/P THE LEASE AREA IS BOUNDED BY 22°12'36.0"N 84°48'14.82 9.7"E & 22°15' 41.9",84°48' 50.7"E	TARKERA	4.844	34005	28494
BRAHMANI RIVER		M6	TARKERA SAND-1,KHATA NO-109, PLOT NO-63/548/P, 410/549/P, 410/552/P,410/551/P,410/550/P, KISAM-NADI, LATITUDE OF 22012'40.1"N TO 22015'49.80"N AND LONGITUDE OF 84048'14.8"E TO 84048'30.40"E.	TARKERA	3.379	11293	8702
SANKH RIVER	2	O1	PADMAPUR SAND BED-I,PADMPUR,KH-138 PL.NO.-422/812/P LATITUDE OF 22015'00.73"N TO 22015'13.06"N AND LONGITUDE OF 84046'12.86"E TO 84046'45.65"E	PADMAPUR	9.55	94647	78335
SANKH RIVER		O2	PADMAPUR SAND BED-II,PADAMPUR , KHATA NO-138, PLOT NO-374/813/P,12.00AC,KISAM-NADI,84°45'36.85" TO 84°45'53.15" 22°15'02.36" TO 22°15'07.48"	PADMAPUR	4.856	23260	19740
		O3	PADMAPUR SAND BED-III,PADMPUR, KH-138 PL.NO.-374/813/P, KISAM-NADI, 84°45'29.24" TO 84°45'50.89" 22°15'09.06" TO 22°15'13.64"	PADMAPUR	4.856	24282	19461
		O10	SARANDAPOSH SAND BED,SARANDAPOSH,KH.NO.-84,PL.NO.479/P, KISAM-NADI, 84°45'03.78" TO 84°45'22.48" 22°15'09.34" TO 22°15'14.47"	SARANDAPOSH	4.046	19696	15828
KOEL RIVER	3	O9	BIJUBANDH SAND BED,BIJUBANDH, KHATA NO-58, PLOT NO-216/P, 12.00AC., KISAM-NADI, LATITUDES OF 22°16'37.70"N TO 22°16'43.71"N AND LONGITUDE OF 84°50'56.76"E TO 84°51'09.97"E.	BIJUBANDH	4.856	19749	17136
		O13	BIJUBANDH SAND BED-A,BIJUBANDH, KHATA NO-58, PLOT NO-92/P1.92/P2, 8.00AC., KISAM-NADI, LATITUDES - AND LONGITUDE-	BIJUBANDH	3.237		
		M8	TUMKELA SAND BED A,ROURKELA TOWN, KHATA-02, PLOT- 312/339/P, KISSAM- NADI, LAT- , LONG-	TUMKELA	2.023		
		M4	TUMKELA SAND, VILLAGE-TUMKELA KHATA NO.02 ,PLOT NO.312/339/P , LATITUDE OF 22016'28.20"N TO 22016'33.70"N AND LONGITUDE OF 84050'36.10"E TO 84050'52.10"E.	TUMKELA	6.474	43473.1	34283.7

Contiguous Clusters:

CONTIGUOUS CLUSTER NO.	CLUSTER NO	NUMBER OF LEASES IN THE CLUSTER LOCATION (PATTA LAND)	DISTANCE BETWEEN CLUSTERS(KM)	AREA OF CLUSTER (HA)	TOTAL MINERAL EXCAVATION. (CUM/ANNUM)
NA	NA	NA	NA	NA	NA

Annexure-VII

Final Transportation Routes for individual leases and leases in Cluster

LEASE NO.	TRANSPORTATION ROUTE NO.	NUMBER OF TIPPERS/DAY OF LEASE	NUMBER OF TIPPERS/DAY OF ALL THE LEASE ON ROUTE	LENGTH OF ROUTE IN KM	TYPE OF ROAD(BLACK TOPPED/UNPAVED)	RECOMMENDATION FOR ROAD (BLACK TOPPED/UNPAVED)	THE ROAD WILL BE CONSTRUCTED BY GOVT/LEASE OWNER	ROUTE MAP & LOCATION
A1	NUA-AMLIPALI SAND BED-II, MOUZA- NUA-AMLIPALI, KHATA NO.- 381, PLOT NO- 397/P, KISAM- RIVER LATITUDE OF 22°07'30.39"N TO 22°07'38.88"N AND LONGITUDE OF 84°00'56.88"E TO 84°01'10.41"E.	2		5	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA- NUA-AMLIPALI, SH10-5KM
A2	CHITABHANGA SAND, MOUZA- CHITABHANGA KHATA NO.- 474, PLOT NO- 2413/P, KISAM- RIVER LATITUDE- 22°05'38.30" TO 22°05'47.60" LONGITUDE- 84°00'47.70" TO 84°00'50.70"	2		3	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA- CHITABHANGA, SH10-2KM
A3	LANKAHUDA SAND, MOUZA- LANKAHUDA, KHATA NO.- 150, PLOT NO- 1/P, KISAM- RIVER LATITUDE- 22°02'37.59"N TO 22°02'43.84"N LONGITUDE- 83°59'32.59"E TO 83°59'37.15"E	1		5	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA- LANKAHUDA, SH10-5KM
A4	BHASMA SAND, MOUZA- BHASMA, KHATA NO.- 133, PLOT NO-1/ 1384/P, KISAM- RIVER LATITUDE- 21°57'38.12"N TO 21°57'46.81"N LONGITUDE- 84°01'51.51"E TO 84°01'59.85"E	2		1.5	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA- BHASMA, SH10-1.5KM

A5	KAINSARA SAND-I,MOUZA-KAINTARA, KHATA NO.- 86, PLOT NO- 96/1146/P, 6.00AC KISAM- RIVER, MOUZA- DEULI, KHATA NO.- 257, PLOT NO- 2668/P,6.00AC KISAM- RIVER, LATITUDE OF 21°58'30.42"N TO 21°58'34.22"N AND LONGITUDE OF 84°02'31.39"E TO 84°02'46.81"E	SH10	2		0.5	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA-KAINTARA,SH10-0.5KM
C1	BILAIGARH SAND BED,MOUZA-BILAIGARH , KHATA NO. 217, PLOT NO. 1240/1 KISAM- NADI, LAT- 221°56'29.85" TO 21°56'39.72"N, LON- 84°00'52.27" TO 84°01'05.19"E					BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA-BILAIGARH
C2	KURGA JHARBENI SAND BED, MOUZA-KURGA JHARBENI,KHATA NO-201,PLOT NO-1545/P,AREA-4.046,KISSAM-NADI, LAT-22°04'55.32" TO 22°05'07.17", LONG-83°59'39.51" TO 83°59'48.39"	SH10			5.5	BLACK TOPPED	BLACK TOPPED	GOVT	KURGA JHARBENI SH10-0.5KM
C3	LEMLEMA SAND BED,MOUZA-LEMLEMA, KHATA NO. 186 PLOT NO. 132/1645/P, KISAM NADI, 22°07'51.09" TO 22°07'56.09" &84°01'32.65" TO 84°01'39.62"	SH10			4.5	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA-LEMLEMA,SH10-4.5KM
C4	ERGAPITA SAND BED,ERGAPITA, KHATA NO. 34 PLOT NO. 220/P KISAM NADI, LAT- 21 59' 02.52" N, LON- 84 00' 40.09" E, 84°0'38.82" TO 84°0'45.37" & 21°59'4.80" TO 21°59'16.66"	SH10			3	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA-ERGAPITA,SH10-3KM
C5	NADISUGUDA SAND BED,MOUZA-NADISUGUDA, KHATA NO. 113 PLOT NO. 338/1350 KISAM NADI, LAT- 22°0'40.90" TO 22°0'50.25" N, LON- 83°59'29.31" TO 83°59'36.98 E	SH10			5.5	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA-NADISUGUDA,SH10-5.5KM

C6	DALDALI SAND BED,MOUZA-DALDALI, KHATA NO. 158 PLOT NO. 1495/1652/P & 1297/1695/P KISSAM- NADI, LAT- 21°55'9.90" TO 21°55'17.60" LON- 83°59'42.50" TO 83°59'54.40"	SH10			3.5	BLACK TOPPED	BLACK TOPPED	GOVT	MOUZA-DALDALI,SH10-3.5KM
C7	ABANKELA SAND BED,ABANKELA, KHATA NO. 175 PLOT NO. 996/1501 KISSAM NADI, LAT-21°57'19.29" TO 21°57'29.23" N, LON- 84°01'35.57" TO 83°01'44.63"E	SH10			1.5	BLACK TOPPED	BLACK TOPPED	GOVT	ABANKELA,SH10-1.5KM
C8	LEMLEMA TANGARBHADI SAND BED,LEMLEMA, KHATA NO. 186 PLOT NO. 1154/1642/P, KISSAM NADI, 84°3'27.48" TO 84°3'39.73" & 22°8'43.55" TO 22°8'54.41"	SH10			2	BLACK TOPPED	BLACK TOPPED	GOVT	LEMLEMA,SH10-2KM
C9	KIRIPSIRA SAND,KIRIPSIRA, KHATA NO- 108, PLOT NO- 478/P, KISSAM- NADI, LAT- 22°02'40.77" TO 22°02'52.61" , LONG-83°59'15.99" TO 83°59'26.21"	SH10			5	BLACK TOPPED	BLACK TOPPED	GOVT	KIRIPSIRA,SH10-5KM
C10	REMENDA SAND BED,REMENDA, KHATA NO- 184, PLOT NO- 287/1819, KISSAM- NADI, LAT- 22°58'25.93" TO 22°58'39.93" , LONG-84°00'38.06" TO 84°00'44.36"					BLACK TOPPED	BLACK TOPPED	GOVT	REMENDA
C11	REMENDA SAND BED- A,REMENDA, KHATA NO- 184, PLOT NO- 1807/P, KISSAM- NADI, LAT- , LONG-	SH10			2	BLACK TOPPED	BLACK TOPPED	GOVT	REMENDA,SH10-2KM
D1	ATTAGHAT SANDBED,AT- ATTGHAT, KHATA NO-61, PLOT NO-484/566, KISSAM-NADI, LATITUDE- 22°08'43.64" TO 22°08'55.98" AND LONGITUDES OF 84°51'18.78" TO 84°51'28.12"	NH143	2		1.5	BLACK TOPPED	BLACK TOPPED	GOVT	ATTGHAT,NH143-1.5KM

D2	KANSAR SANDBED,AT:- KANSAR, KHATA NO-94, PLOT NO-211/P, KISSAM- NADI, LATITUDE OF 22°09'20.35"N TO 22°09'35.20"N AND LONGITUDE OF 84°50'46.05"E TO 84°51'13.48"E.	NH143	1	3.5	BLACK TOPPED	BLACK TOPPED	GOVT	KANSAR,NH143-3.5KM
D3	BHALUPATRA SAND BEDAT:- BRAHMANITARANG, KHATA NO-46, PLOT NO-1/1 & 1/2, KISSAM-NADI, 22° 15' 02.56"N TO 22° 15' 11.73"N AND LONGITUDES OF 84°43' 04.95"E TO 84°43' 28.99"E.	SH10		2.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHMANITARANG,SH 10-2.5KM
D4	BELDIHI SANDBED-II,AT:- BELDIHI,KHATA NO-146, PLOT NO- 1/P, NADI- KISSAM, 22° 15' 03.2"N TO 22° 15' 09.8"N AND LONGITUDES OF 84°46' 32.9"E TO 84°46' 42.6"E.	NH143	1	1.5	BLACK TOPPED	BLACK TOPPED	GOVT	BELDIHI NH143-1.5KM
D5	LUNGEI SANDBED,..AT:- KALUNGA,KHATA NO-80, PLOT NO- 1/P, KISSAM- NADI, 22° 14' 51.78"N TO 22°14' 57.71"N AND LONGITUDES OF 84°46' 05.26"E TO 84°46' 23.12"E.	NH143	1	2	BLACK TOPPED	BLACK TOPPED	GOVT	LUNGEI,NH143-2KM
D6	BALANI SAND BED ,AT:- LATHIKATA,KHATA NO-127, PLOT NO- 1161/1, KISSAM- NADI, 22° 05' 28.58"N TO 22° 05' 36.14"N AND LONGITUDES OF 84°52' 18.80"E TO 84°52' 32.14"E.	NH143		3.5	BLACK TOPPED	BLACK TOPPED	GOVT	LATHIKATA,NH143-3.5KM
D7	TAINSER SAND BED,AT:- TAINSER, KHATA NO-229, PLOT NO-463/P, KISSAM- NADI, LATITUDES OF 22°05'51.79"N TO 22°05'59.36"N AND LONGITUDE OF 84°51'09.74"E TO 84°51'20.04"E	NH143	1	5	BLACK TOPPED	BLACK TOPPED	GOVT	TAINSER,NH143-5KM

E1	TUMKELA SAND BED,KHATA NO-01, PLOT NO-31/P, KISAM-NADI, LATITUDE- 21 49' 44.83" N TO 21 49' 54.89" N AND LONGITUDE- 84 56' 00.07" E TO 84 56' 11.30" E	SH10A			5	BLACK TOPPED	BLACK TOPPED	GOVT	TUMKELA,SH10A-5KM
E2	KENAPALI SAND BED,KHATA NO-1 PLOT NO-41/P KISAM-NADI AREA-AC. 12.35 LATITUDE- 21°50'32.04" N TO 21°50'41.18" N LONGITUDE- 84°56'46.00" E TO 84°56'54.49" E	NH143			4.5	BLACK TOPPED	BLACK TOPPED	GOVT	KENAPALI,NH143-4.5KM
E3	LUTHURBA SAND BEDKHATA NO-1 PLOT NO-12/P,10/P,11/P,09/P KISAM-NADI AREA-AC. 12.35 LATITUDE-21°50'19.31" N TO 21°50'28.41" N LONGITUDE- 84°53'42.95" E TO 84°53'54.25" E	NH143	5		1.5	BLACK TOPPED	BLACK TOPPED	GOVT	LUTHURBA,NH143-1.5KM
E4	DIGI SAND BEDKHATA NO-1 PLOT NO-92/P KISAM-NADI AREA-AC. 12.35 LATITUDE- 21°46'43.5" N TO 21°46'53.4" N LONGITUDE- 84°58'39.5" E TO 84°58'49.7" E	SH10A			2	BLACK TOPPED	BLACK TOPPED	GOVT	DIGI,SH10A-2KM
E5	BIRTOLA SAND BED-A BRAHMANINADI "KHA"KHATA NO-1 PLOT NO-29/P & 30/P, KISAM-NADI, LAT- , LONG-	NH143			0.7	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHMANINADI "KHA",NH143-0.7KM
E6	POIGAON SAND BED-AKHATA NO-01, PLOT NO-76/P,77/P KISAM- NADI, AREA IN AC-10.60	NH10A			2	BLACK TOPPED	BLACK TOPPED	GOVT	POIGAON,NH10A-2KM
E7	SUARPALI SAND BED-AKHATA NO-01, PLOT NO-83/P,84/P KISAM- NADI, AREA IN AC-12.50	NH143			8	BLACK TOPPED	BLACK TOPPED	GOVT	SUARPALI,NH143-8KM
E8	LADAM SAND BED-AKHATA NO-01, PLOT NO-44/P,46/P KISAM-NADI, AREA IN AC-12.35	NH10A			4.5	BLACK TOPPED	BLACK TOPPED	GOVT	LADAM,NH10A-4.5KM
F1	KUCHEITA SAND BED,MOUZA-KUCHEITA, KHATA NO. 78 (A.A.A.), PLOT NO. 121/799/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.),	NH143			1	BLACK TOPPED	BLACK TOPPED	GOVT	KUCHEITA,NH143-1KM

F2	NARENDRA SAND BED-2, MOUZA- BRAHMANI NADI "KHA", KHATA NO. 1 (A.A.A.), PLOT NO. 18/P, KISAM- NADI, AREA- AC.19.80DEC. 21°49'34.62"N TO 21°49'49.37"N AND LONGITUDE OF 84°54'39.82"E TO 84°54'46.46"E.	NH143			3	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHMANINADI "KHA", NH143-3KM
F3	BARTENGDA SAND BED MOUZA- BRAHMANI NADI "GA", KHATA NO. 1, PLOT NO. 14/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 21°53'12.98" TO 21°53'02.51" AND LONGITUDE OF 84°51'15.67" TO 84°51'07.61"	NH143	2		7.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHMANI NADI "GA", NH143-7.5KM
F4	RANIAMRABATIPUR SAND BED MOUZA- BRAHMANI NADI "GA", KHATA NO. 1, PLOT NO. 11/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 21°53'18.43"N TO 21°53'27.69"N AND LONGITUDE OF 84°51'01.02"E TO 84°51'07.09"E	NH143			8	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHMANI NADI "GA", NH143-8KM
F5	CHHIDI SAND BED, MOUZA- CHHIDI, KHATA NO. 49, PLOT NO. 456/486/P, KISAM- NADI, AREA- AC.12.35DEC. (5.00HA.), LATITUDE OF 22°03'48.94"N TO 22°03'57.12"N AND LONGITUDE OF 84°53'02.28"E TO 84°53'11.53"E	NH143	3		3	BLACK TOPPED	BLACK TOPPED	GOVT	CHHIDI, NH143-3KM
F6	PITAGAON SAND BED MOUZA- BRAHMANI NADI "KA", KHATA NO. 1, PLOT NO. 5/P, 6/P, KISAM- NADI, AREA- AC.4.35DEC. & AC.8.00DEC., TOTAL= AC.12.35DEC. (5.00HA.), LATITUDE OF 22°01'45.42"N TO 22°02'09.10"N AND LONGITUDE OF 84°52'27.98"E TO 84°52'35.46"E	NH143	1		4.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHMANI NADI "KA", NH143-4.5KM

G1	TETERKELA SAND BEDKHATA NO.84, PLOT NO.526/527/1, LATITUDES OF 22°17'38.29"N TO 22°17'47.72"N AND LONGITUDE OF 84°58'41.64"E TO 84°58'54.05"E	NH320D			6	BLACK TOPPED	BLACK TOPPED	GOVT	TETERKELA,NH320D-6KM
G2	GOPPUR SAND BEDKHATA NO-102, PLOT NO-638/1, LATITUDE OF 22°22'28.96"N TO 22°22'55.49"N AND LONGITUDE OF 84°54'59.03"E TO 84°55'05.83"E	NH320D	1		17	BLACK TOPPED	BLACK TOPPED	GOVT	GOPPUR,NH320D-17KM
G3	LANKOI SAND BEDK.NO. 137 PLOT NO. 712/1459/1 AC.8.62 PLOT NO. 620/1458 AC.3.28 TOTAL AC. 11.90LATITUDE OF 22°19'20.20"N TO 22°19'47.32"N AND LONGITUDE OF 84°56'32.07"E TO 84°56'41.33"E	NH320D	1		9	BLACK TOPPED	BLACK TOPPED	GOVT	LANKOI NH320D-9KM
G4	JAHARITOLI SAND BEDK.NO. 67 PLOT NO. 459/1 AC.1.50 PLOT NO. 460/1 AC. 10.28 TOTAL AC.11.78 , LATITUDE OF 22°23'47.77"N TO 22°24'04.09"N AND LONGITUDE OF 84°54'37.04"E TO 84°54'43.44"E	NH143			18	BLACK TOPPED	BLACK TOPPED	GOVT	JAHARITOLI NH143-18KM
G5	DALKI SAND BEDDALKI , KHATA NO.203, PLOT NO.756/1708/P, AC.10.00, KISAM-NADI, LATITUDES OF 22°18'44.19"N TO 22°18'49.95"N AND LONGITUDE OF 84°31'06.33"E TO 84°30'56.65"E	NH143			1	BLACK TOPPED	BLACK TOPPED	GOVT	DALKI,NH143-1KM
H1	GHOGHAR SAND BED-B KHATA NO.171 PLOT NO.457/P, AC.7.00, LATITUDE 22°20'19.1"N TO 22°20'27.2"N, LONGITUDE 83°59'35.3"E TO 83°59'40.3"E	SH4			4.5	BLACK TOPPED	BLACK TOPPED	GOVT	GHOGHAR SH4-4.5KM

H2	KUSUMURA SAND BEDKUSUMURA, KH NO. 203, PLOT NO. 1281/P, KISAM- NADI, AC. 12.00LATITUTE 22°19'26.652" TO 22°19'34.356"N, LONGITUTE – 83°59'51.756" TO 83°59'58.308E	SH4			5.5	BLACK TOPPED	BLACK TOPPED	GOVT	KUSUMURA SH4-5.5KM
H3	BANKIDIHI SAND BED,BANKIDIHI, KH NO- 48, PLOT NO. 270/457/P, KISAM- NADI, AC.10.45, LATITUTE 22°20'49.62" TO 22°21'0.07"N, LONGITUTE – 83°59'2.01" TO 83°59'12.28"E	SH4			3	BLACK TOPPED	BLACK TOPPED	GOVT	BANKIDIHI ,SH4-3KM
H4	TELIJORE SAND BEDTELIJORE, KH NO- 179, PLOT NO- 1759/P, KISAM-NADI, AC.8.30, LATITUTE 22O21'13.943" N TO 22O21'22.732" N, LONGITUTE – 83O58'46.931"E TO 83O58'55.844"E	SH4			2.5	BLACK TOPPED	BLACK TOPPED	GOVT	TELIJORE,SH4-2.5KM
H5	LULKIDIHI SAND BEDLULKIDIHI, KH NO- 549,PLOT NO- 2202/4515, KISAM- NADI, AC.7.21, LATITUTE 22°31'26.87" TO 22°31'47.91" N, LONGITUTE – 83°59'9.72" TO 84°59'48.78"E	SH4			2	BLACK TOPPED	BLACK TOPPED	GOVT	LULKIDIHI,SH4-2KM
H6	GHOGHAR SAND BED (A)GHOGHAR , KH NO. 171, PLOT NO. 1416/1460/P, KISAM- NADI, LAT- 22°19'26.652" TO 22°19'34.356", LONG- 83°59'51.756" TO 83°59'58.308	SH4			4.5	BLACK TOPPED	BLACK TOPPED	GOVT	GHOGHAR,SH4-4.5KM
H7	KAINTARA SAND BEDKAINTARA , KH NO. 111, PLOT NO. 1074/1329/P, KISAM- NADI, LAT- 22°18'45.93" TO 22°18'50.86", LONG-84°00'51.94" TO 84°00'58.28	SH4			5	BLACK TOPPED	BLACK TOPPED	GOVT	KAINTARA,SH4-5KM
I1	CHUNGIMATI SAND BED,MOUZA: CHUNGIMATI KHATA NO:93 PLOT NO. 507 KISAM : NADII, LATITUDE OF 22°14'15.29"N TO 22°14'17.90"N AND LONGITUDE OF 84°41'18.74"E TO 84°41'26.75"E	SH10			2.5	BLACK TOPPED	BLACK TOPPED	GOVT	CHUNGIMATI,SH10- 2.5KM

J1	SUBALAYA SAND BED KHATA NO-153, PLOT NO-118,1314,439,491/P, LATITUDE 22°7'52.22" TO 22°8'33.27"N, LONGITUDE 84°4'25.28" TO 84°5'15.22"	SH4			6.5	BLACK TOPPED	BLACK TOPPED	GOVT	SUBALAYA,SH4-6.5KM
J2	JAISAR SAND BED,KHAT NO-190, PLOT NO-1/1, 113/1, KISAM-NADI, LATITUDES OF 22°16'38.57" TO 22°16'50.05" N AND LONGITUDES OF 84°03'27.01" TO 84°03'34.62"	SH24	1		5.5	BLACK TOPPED	BLACK TOPPED	GOVT	JAISAR,SH24-5.5KM
J3	GAILO SAND BED,KHATA NO-145, PLOT NO-1083/P, KISAM-NADI, LATITUDE N22°15'16.02" TO 22°15'25.04" LONGITUDE E85°04'34.06" TO 85°04'44.09"					BLACK TOPPED	BLACK TOPPED	GOVT	GAILO
J4	BHOJPUR SAND BED,KHATA NO-69, PLOT NO-1, KISAM-NADI, LATITUDE N22 8'21.4" TO N22 08'35.2" LONGITUDE E 84°03'26.03" TO 84°03'31.09"	SH10			1	BLACK TOPPED	BLACK TOPPED	GOVT	BHOJPUR,SH10-1KM
J5	KANIKA SAND BED,KHATA NO-67, PLOT NO-814/831, LATITUDE 22009'31.27" N TO 22009'40.32" N, LONGITUDE 84005'08.13"E TO 84005'22.34"E	SH24			2.5	BLACK TOPPED	BLACK TOPPED	GOVT	KANIKA,SH24-2.5KM
J6	MALIDIHI SAND BED, KHATA NO-49, PLOT NO-01/P, LATITUDE 22°09'31.27" TO 22°09'40.332" N, LONGITUDE 84°05'08.13" TO 84°05'22.34"E	SH24			2.5	BLACK TOPPED	BLACK TOPPED	GOVT	MALIDIHI,SH24-2.5KM
J7	BARPALI SAND BEDKHATA NO-69, PLOT NO-874/P, KISAM-NADI, LATITUDE 22°18'41.60" TO 22°18'51.60"N LONGITUDE 84°1'3.40" TO 84°1'12.50" &	SH4	1		5.5	BLACK TOPPED	BLACK TOPPED	GOVT	BARPALI,SH4-5.5KM
J8	BHAGAPALI SAND BEDKHATA NO-71, PLOT NO-1/P, KISAM-NADI, LATITUDE 22 12'53.91"N TO 22 13'03.67"N LONGITUDE 84 05'47.66"E TO 84 05'56.46"E	SH24			2	BLACK TOPPED	BLACK TOPPED	GOVT	BHAGAPALI,SH24-2KM

J9	KUKURIDIHI SAND BED KHATA NO-172, PLOT NO-1/P, KISAM-NADI, LATITUDE 22 15'10.95"N TO 22 15'16.92"N LONGITUDE 84 04'34.26"E TO 84 04'40.98"E	SH24			4	BLACK TOPPED	BLACK TOPPED	GOVT	KUKURIDIHI,SH24-4KM
J10	GILKUDAR SAND BEDKHATA NO-20, PLOT NO-1/P,KISAM-NADI, LATITUDE 22 10'33.0"N TO 22 10'42.0"N LONGITUDE 84 06'04.9"E TO 84 06'13.4"E	SH24			1	BLACK TOPPED	BLACK TOPPED	GOVT	GILKUDAR,SH24-1KM
K1	SURGUDA SANDKHATA NO-173, PLOT NO-607, KISAM-NADI, LATITUDE OF 22°06'17.84" TO 22°06'33.60" N AND LONGITUDE OF 83°49'57.72" TO 83°50'37.48"E.	SH10			22	BLACK TOPPED	BLACK TOPPED	GOVT	SURGUDA,SH10-22KM
K2	LEPHRIPARA SAND,KHATA NO-245, PLOT NO-1636/2145, 1682/1 KISAM-NADI, LATITUDE OF 22 06'58.98"N TO 22°06'58.98" TO 22°07'11.35" N AND LONGITUDE OF 83°48'09.40" TO 83°48'38.98"E.	SH10			28	BLACK TOPPED	BLACK TOPPED	GOVT	LEPHRIPARA,SH10-28KM
K3	LUTHURKEND SANDKHATA NO-30,14,68,459, PLOT NO-65 KISAM-NADI, LATITUDE OF 22009'19.60"N TO 22009'29.45"N AND LONGITUDE OF 83043'04.63"E TO 83043'28.02"E	SH10			36	BLACK TOPPED	BLACK TOPPED	GOVT	LUTHURKEND,SH10-36KM
L1	KOLASAH I SAND MOUZA-BRAHAMANI "KHA", KHATA NO-1, PLOT NO.- 60/P, LATITUDES - FROM 21°49'12.00" TO 21°49'18.76" N, LONGITUDES- 84°57'55.98" TO 84°57'48.14"	SH10A			2.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI "KHA",SH10A-2.5KM
L2	SABARA SANDMOUZA-SABARA(BRAHAMANI NADI), KHATA NO- 36, PLOT NO.- 15/551					BLACK TOPPED	BLACK TOPPED	GOVT	SABARA

L3	SANGAGUA SAND"MOUZA- BRAHAMANI ""KHA""KHATA NO- 1, PLOT NO.- 116/P & 117/P, LATITUDE -21°44'17.58" TO 21°44'25.03", LONGITUDE- 84°56'32.01" TO 84°56'39.71"	NH143	2	5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA",NH143-5KM
L4	BALIATOTA SANDMOUZA- BRAHAMANI "KHA"KHATA NO- 1, PLOT NO.- 56/P,KISSAM- NADI, LONG- 84°57'53.05" TO 84°57'58.48" LAT- 21°49'34.84" TO 21°49'41.41"	SH10A		3.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA",SH10A-3.5KM
L5	TENDRA-II SAND BEDMOUZA- BRAHAMANI "KHA"KHATA NO- 1, PLOT NO.- 149/P, 151/P, KISSAM- NADI, LATITUDES OF 21°41'14.76"N TO 21°41'29.13"N AND LONGITUDE OF 84°56'51.27"E TO 84°56'56.88"E	SH10A	2	5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA",SH10A-5KM
L6	DEOGAON-II SAND BEDMOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 34/P, 35/P, KISSAM- NADI	NH143		4.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA",NH143-4.5KM
L7	KULANGE BASTI SAND BED,MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 63/P, 64/P, KISSAM-NADI, LATITUDE OF 21° 48' 39.37" N TO 21° 48' 52.49" N AND LONGITUDE OF 84°57'51.40"E TO 84°57'57.99"E	SH10A		2	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA",SH10A-2KM
L8	BADGAON SAND BEDMOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 147/P, 148/P, KISSAM-NADI, LATITUDES OF 21°41'39.13"N TO 21°41'49.74"N AND LONGITUDE OF 84°56'38.68"E TO 84°56'42.28"E	SH10A		5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA",SH10A-5KM
L9	GILLI SAND BED,MOUZA- BRAHAMANI "KHA", KHATA NO- 1, PLOT NO.- 134/P,KISSAM- NADI,LAT OF 21° 42' 09.92"N TO 21° 42' 19.68"N AND LONG OF 84°54'22.31"E TO 84°54'33.79"E	SH10A	4	9	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA",SH10A-9KM

L10	UPURDA SAND"MOUZA-BRAHAMANI ""KHA"", KHATA NO- 1, PLOT NO.- 69/P, 70/P"LATITUDE OF 210 47'55.02"N TO 210 48'12.78"N AND LONGITUDE OF 84058'03.15"E TO 84058'06.91"E	SH10A	3		2.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA",SH10A-2.5KM
L11	CHANDIPOS SAND"MOUZA-BRAHAMANI ""KHA""KHATA NO-1, PLOT NO.- 98/P, 101/P,102/P", LATITUDE OF 21°43'52.77" TO 21°44'05.79" AND LONGITUDE OF 84°68'19.20" TO 84°68'49.49"					BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA"
L12	TENDRA SAND"MOUZA-BRAHAMANI ""KHA""KHATA NO-1, PLOT NO.- 143, 141, LATITUDE OF 21041'55.58"N TO 21042'03.22"N AND LONGITUDE OF 84055'27.09"E TO 84055'55.85"E	SH10A	3		6.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA",SH10A-6.5KM
L13	BONEIKELA SAND"MOUZA-BRAHAMANI ""KHA""KHATA NO-1, PLOT NO.- 128, LATITUDE- 21°43'20.25" N TO 21°43'28.21"N, LONGITUTE- 84°54'50.26"E TO 84°54'04.28"E"	NH143	5		4.5	BLACK TOPPED	BLACK TOPPED	GOVT	BRAHAMANI ""KHA",NH143-4.5KM
M1	TARKERA SAND-3 VILLAGE-TARKERA,KHATA NO.22,PLOT NO.424/1289/P THE LEASE AREA IS BOUNDED BY 22°12'36.3"N 84°48'49.0"E 22°15'39.8"N 84° 49' 10.7"E	NH143			1	BLACK TOPPED	BLACK TOPPED	GOVT	TARKERA,NH143-1KM
M2	LUAKERA SAND VILLAGE-LUAKERA,RTU-07,KHATA NO.78,PLOT NO.247/755/P BOUNDED BY N22°16'06.5" TON22°16'10.7" LATITUDE & E84°48'29.5"TOE84°48'47.8"LONG ITUDE	NH320D	1		6.5	BLACK TOPPED	BLACK TOPPED	GOVT	LUAKERA,NH320D-6.5KM

M3	KOELNAGAR SAND RTU-27KHATA NO.174,PLOT NO.96/383/P 1.22°16'04.79"N 84°53'26.11"E 2.22°16'07.39"N84°53'24.60"E 3.22°16'19.50"N84°53'36.78"E 4.22°16'16.68"N84°53'39.43"E	NH320D			6	BLACK TOPPED	BLACK TOPPED	GOVT	KOELNAGAR,NH320D-6KM
M4	TUMKELA SAND,VILLAGE-TUMKELA KHATA NO.02 ,PLOT NO.312/339/P , LATITUDE OF 22°16'28.20"N TO 22°16'33.70"N AND LONGITUDE OF 84°50'36.10"E TO 84°50'52.10"E.	NH320D			6.5	BLACK TOPPED	BLACK TOPPED	GOVT	TUMKELA,NH320D-6.5KM
M5	TARKERA SAND-2,VILLAGE-TARKELA,KHTA NO.109,PLOTNO.461/553/P THE LEASE AREA IS BOUNDED BY 22°12'36.0"N 84°48'14.82 9.7"E & 22°15' 41.9",84°48' 50.7"E	NH143			1	BLACK TOPPED	BLACK TOPPED	GOVT	TARKERA ,NH143-1KM
M6	TARKERA SAND-1,KHATA NO-109, PLOT NO-63/548/P, 410/549/P, 410/552/P,410/551/P,410/550/P, KISAM-NADI, LATITUDE OF 22°12'40.1"N TO 22°15'49.80"N AND LONGITUDE OF 84°48'14.8"E TO 84°48'30.40"E.	NH143			1.5	BLACK TOPPED	BLACK TOPPED	GOVT	TARKERA ,NH143-1.5KM
M7	PRADHANPALI SAND BED,VILLAGE-PRADHANPALI,RTU-1,KHATA-138,PLOT NO.1/1196 1. LONG-84°47'29.99" TO 84°47'25.81" , LAT-22°15'49.05" TO 22°15'39.59"	NH143	1		1	BLACK TOPPED	BLACK TOPPED	GOVT	PRADHANPALI,NH143-1KM
M8	TUMKELA SAND BED A,ROURKELA TOWN, KHATA-02, PLOT- 312/339/P, KISSAM- NADI, LAT- , LONG-	NH320D			7.5	BLACK TOPPED	BLACK TOPPED	GOVT	TUMKELA,NH320D-7.5KM
N1	JAMSERA-II SAND BED , KHATA NO-38, PLOT NO-59/331, KISAM-NADI, 5.00HA, LATITUDE OF 22°16'31.65"N TO 22°16'35.65"N AND LONGITUDE OF 84°54'44.65"E TO 84°55'01.23"E.	NH320D	1		8	BLACK TOPPED	BLACK TOPPED	GOVT	JAMSERA,NH320D-8KM

N2	KUNDAPOSH SAND BEDKHATA NO-34, PLOT NO-1/386/P, ERLA ,KHATA NO-54, PLOT NO-1/632/P, KISAM-NADI, LAT-22°19'34.40" TO 22°19'41.73" N LONG- 85°04'24.37" TO 85°04'39.64"E	NH320D	1		12	BLACK TOPPED	BLACK TOPPED	GOVT	KUNDAPOSH,NH320D-12KM
N3	JABAGHAT SAND BED,JABAGHAT , KHATA NO-86, PLOT NO-1/P, KISAM-NADI, 5.00HA, 22016'32.73"N TO 22016'41.70"N AND LONGITUDE OF 84055'39.33"E TO 84055'56.27"E.	NH320D			5.5	BLACK TOPPED	BLACK TOPPED	GOVT	JABAGHAT,NH320D-5.5KM
N4	BAD BAMBUA & MASURIKUDAR SAND BED,MAUZA-BADBAMBUA ,KHATA NO-88, PLOT NO-1/805/P, KISAM-NADI, MAUZA-MASURIKUDAR, KHATA NO-73, PLOT NO-1/P, KISAM-NADI, 5.00HA, 22019'36.79"N TO 22019'44.21"N AND LONGITUDE OF 85001'52.92"E TO 85002'05.34"E.	NH320D			10	BLACK TOPPED	BLACK TOPPED	GOVT	BADBAMBUA,NH320D-10KM
N5	KHATANGKUDAR & UDUSU SAND BED,KHATANGKUDAR , KHATA NO-21, PLOT NO-9/134/P, UDUSHU, KHATA NO-139, PLOT NO-1/1668/P, KISAM-NADI, 4.997HA, LATITUDE OF 22017'21.45"N TO 22017'34.54"N AND LONGITUDE OF 84059'20.79"E TO 84059'32.22"E.	NH320D			4.5	BLACK TOPPED	BLACK TOPPED	GOVT	KHATANGKUDAR,NH320D-4.5KM
N6	JARAIKELA SAND BED, JARAIKELA,KHATA NO-95, PLOT NO-418/526/P, 8.00AC., KISAM-NADI, LATITUDES - AND LONGITUDE-					BLACK TOPPED	BLACK TOPPED	GOVT	JARAIKELA
N7	JAMSERA SAND BED-III,KHATA NO-38,PLOT NO-59/331,KISSAM-NADILAT-22.276°,LONG-84.908°	NH320D			10	BLACK TOPPED	BLACK TOPPED	GOVT	JAMSERA,NH320D-10KM

O1	PADMAPUR SAND BED-I,PADMPUR,KH-138 PL.NO.-422/812/P LATITUDE OF 22015'00.73"N TO 22015'13.06"N AND LONGITUDE OF 84046'12.86"E TO 84046'45.65"E	NH143			1.1	BLACK TOPPED	BLACK TOPPED	GOVT	PADMAPUR,NH143-1.1KM
O2	PADMAPUR SAND BED-II,PADAMPUR , KHATA NO-138, PLOT NO-374/813/P,12.00AC,KISAM-NADI,84°45'36.85" TO 84°45'53.15" 22°15'02.36" TO 22°15'07.48"	NH143			3	BLACK TOPPED	BLACK TOPPED	GOVT	PADMAPUR,NH143-3KM
O3	PADMAPUR SAND BED-III,PADMPUR, KH-138 PL.NO.-374/813/P, KISAM-NADI, 84°45'29.24" TO 84°45'50.89" 22°15'09.06" TO 22°15'13.64"	NH143			3.5	BLACK TOPPED	BLACK TOPPED	GOVT	PADMAPUR,NH143-3.5KM
O4	KUARMUNDA SAND BED-I,KUARMUNDA KHATA NO-397, PLOT NO-2876/P, 12.00AC, KISAM-NADI, LATITUDE OF 22016'01.87"N TO 22016'07.48"N AND LONGITUDE OF 84047'35.66"E TO 84047'59.29"E.	NH143	3		2.5	BLACK TOPPED	BLACK TOPPED	GOVT	KUARMUNDA,NH143-2.5KM
O5	KUARMUNDA SAND-II, KHATA NO-397, PLOT NO-2879/P, 8.00AC, KISAM-NADI, LATITUDE OF 22015'16.29"N TO 22015'25.76"N AND LONGITUDE OF 84047'40.92"E TO 84047'49.52"E.	NH143	2		1.5	BLACK TOPPED	BLACK TOPPED	GOVT	KUARMUNDA,NH143-1.5KM
O6	USHRA GHAT-I SAND BED, KHATA NO-263, PLOT NO-2256/P, KISAM-NADI, 4.856HA, LATITUDE OF 22014'54.17"N TO 22015'03.00"N AND LONGITUDE OF 84042'19.45"E TO 84042'32.88"E.	NH143			7	BLACK TOPPED	BLACK TOPPED	GOVT	USHRA,NH143-7KM

O7	USHRA SAND BED-II,USHRA GHAT, KHATA NO-263, PLOT NO-2364/P, KISAM-NADI, 4.856HA, LATITUDE OF 22°14'36.36"N TO 22°14'48.01"N AND LONGITUDE OF 84°42'02.51"E TO 84°42'11.90"E.	SH10	1	2.5	BLACK TOPPED	BLACK TOPPED	GOVT	USHRA,SH10-2.5KM
O8	CHANDIPOSH SAND BED, KHATA NO-47, PLOT NO-159/P, KISAM-NADI, 4.856HA, LATITUDE OF 22°15'10.32"N TO 22°15'16.96"N AND LONGITUDE OF 84°44'07.39"E TO 84°44'16.16"E.	NH143	3	4	BLACK TOPPED	BLACK TOPPED	GOVT	CHANDIPOSH,NH143-4KM
O9	BIJUBANDH SAND BED,BIJUBANDH, KHATA NO-58, PLOT NO-216/P, 12.00AC., KISAM-NADI, LATITUDES OF 22°16'37.70"N TO 22°16'43.71"N AND LONGITUDE OF 84°50'56.76"E TO 84°51'09.97"E.	NH320D	1	6	BLACK TOPPED	BLACK TOPPED	GOVT	BIJUBANDH,NH320D-6KM
O10	SARANDAPOSH SAND BED,SARANDAPOSH,KH.NO.-84,PL.NO.479/P, KISAM-NADI, 84°45'03.78" TO 84°45'22.48" 22°15'09.34" TO 22°15'14.47"	NH143		3.5	BLACK TOPPED	BLACK TOPPED	GOVT	SARANDAPOSH,NH143-3.5KM
O11	PASARA SAND BED,KHATA NO-81, PLOT NO-838/P, KISAM-NADI, LATITUDE OF 22°16'08.3"N TO 22°16'15.2"N AND LONGITUDE OF 84°52'11.2"E TO 84°52'51.8"E.	NH320D		9.5	BLACK TOPPED	BLACK TOPPED	GOVT	PASARA,NH320D-9.5KM
O12	JAMUNANAKI SAND BED-II,KHATA NO-75, PLOT NO-405/1, 405/415/P, KISAM-NADI, LATITUDES OF 22°14'40.16"N TO 22°14'29.62"N AND LONGITUDE OF 84°47'37.78"E TO 84°47'52.82"E	NH143		2.5	BLACK TOPPED	BLACK TOPPED	GOVT	JAMUNANAKI,NH143-2.5KM
O13	BIJUBANDH SAND BED-A,BIJUBANDH, KHATA NO-58, PLOT NO-92/P1,92/P2, 8.00AC., KISAM-NADI, LATITUDES - AND LONGITUDE-	NH320		7	BLACK TOPPED	BLACK TOPPED	GOVT	BIJUBANDH NH320-7KMM

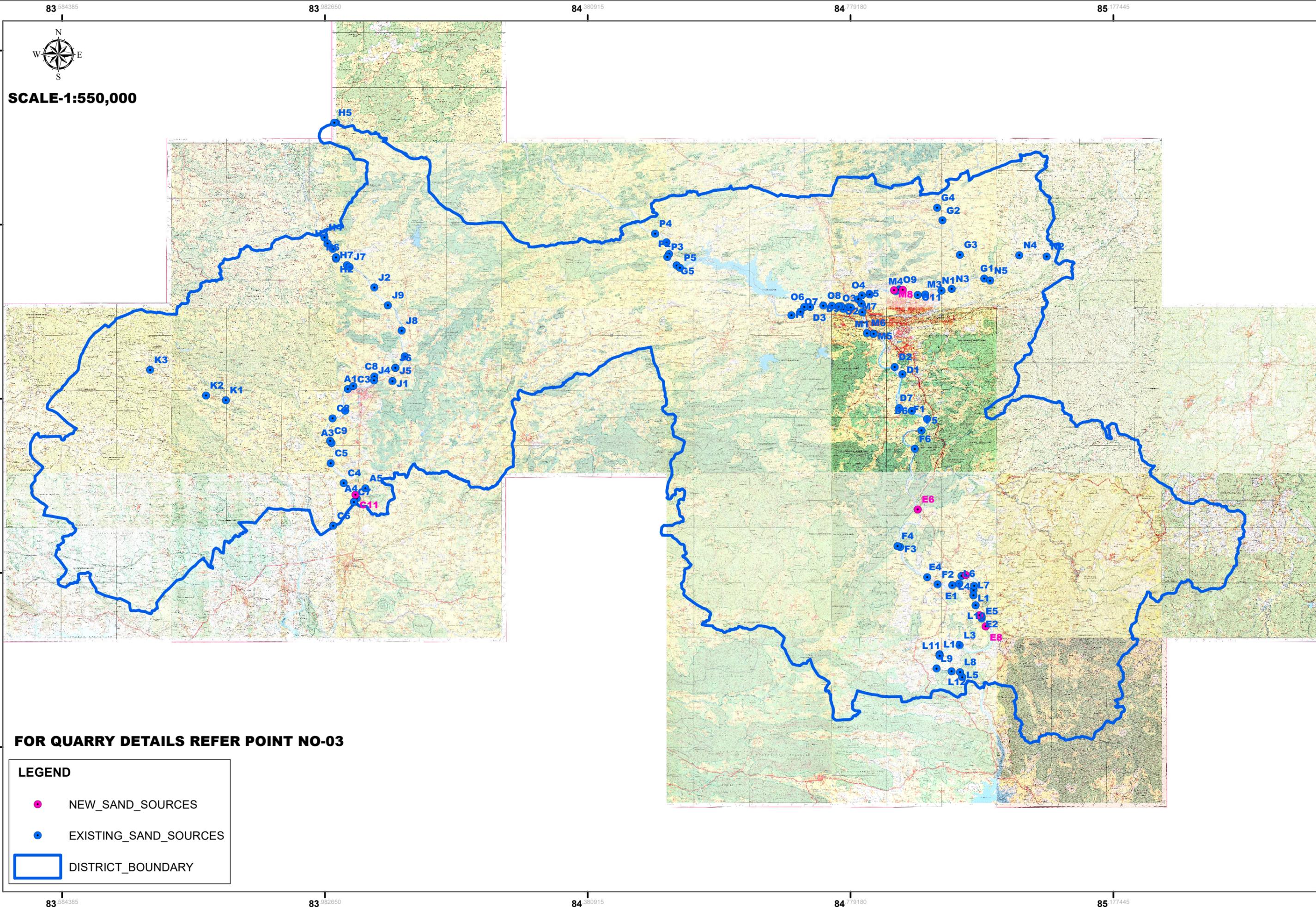
P1	TARKERA SAND BED-I, KHATA NO-155, PLOT NO-528/P, KISAM-JALA BHANDAR , 9.10AC, PLOT-528/1304P, KISAM-NADI, 2.14AC, LATITUDE OF 22°20'40.24" TO 22°20'55.13" N AND LONGITUDE 84°29'52.49" TO 84°30'00.36"E	NH143H			3.5	BLACK TOPPED	BLACK TOPPED	GOVT	TARKERA,NH143H-3.5KM
P2	TARKERA SAND BED-IITARKERA , KHATA NO-154, PLOT NO-931/1309/P, 6.80AC, KISAM-JALA BHANDAR , LATITUDE OF 22°19'52.27" TO 22°19'58.67" N AND LONGITUDE OF 84°30'08.07" TO 84°30'15.09"E.	NH143H			1.5	BLACK TOPPED	BLACK TOPPED	GOVT	TARKERA,NH143H-1.5KM
P3	SAMLEIMUNDA SAND BED-ISAMALEIMUNDA , KHATA NO-158, PLOT NO-706/2156/P, 6.30AC, KISAM-JALA BHANDAR , LATITUDE OF 22°19'31.62"N TO 22°19'36.10"N AND LONGITUDE OF 84°29'58.22"E TO 84°30'05.47"E.	NH143H			4.5	BLACK TOPPED	BLACK TOPPED	GOVT	SAMLEIMUNDA,NH143H-4.5KM
P4	UDURMA SAND BED-I,UDURMA , KHATA NO-144, PLOT NO-1/P, KISAM-NADI, LATITUDE OF 21°21'36.99" TO 21°21'46.71"N AND LONGITUDE 84°29'2.32" TO 84°28'57.06"E.	NH143H			4	BLACK TOPPED	BLACK TOPPED	GOVT	UDURMA,NH143H-4KM
P5	LAXMIPOSH SAND BED-ILAXMIPOSH KHATA NO-85, PLOT NO-683/1289/P, KISAM-JALA BHANDAR, LATITUDE OF 22°18'35.99" TO 22°18'39.80" N AND LONGITUDE OF 84°31'03.26" TO 84°31'13.50"E.	NH143H			1.5	BLACK TOPPED	BLACK TOPPED	GOVT	LAXMIPOSH,NH143H-1.5KM

CLUSTER NO.	TRANSPORTATION ROUTE NO.	NUMBER OF TIPPERS/DAY OF CLUSTER	NUMBER OF TIPPERS/ DAY OF ALL THE CLUSTER ON ROUTE	LENGTH OF ROUTE IN KM	TYPE OF ROAD (BLACK TOPPED/UNPAVED)	RECOMMENDATION FOR ROAD (BLACK TOPPED/UNPAVED)	THE ROAD WILL BE CONSTRUCTED BY GOVT/LEASE OWNER	ROUTE MAP & LOCATION
1	NH143			1	BLACK TOPPED	BLACK TOPPED	GOVT	TARKERA ,NH143-1KM
	NH143			1.5	BLACK TOPPED	BLACK TOPPED	GOVT	TARKERA ,NH143-1.5KM
2	NH143			1.1	BLACK TOPPED	BLACK TOPPED	GOVT	PADMAPUR,NH143-1.1KM
	NH143			3	BLACK TOPPED	BLACK TOPPED	GOVT	PADMAPUR,NH143-3KM
	NH143			3.5	BLACK TOPPED	BLACK TOPPED	GOVT	PADMAPUR,NH143-3.5KM
	NH143			3.5	BLACK TOPPED	BLACK TOPPED	GOVT	SARANDAPOSH,NH143-3.5KM
3	NH320D	1		6	BLACK TOPPED	BLACK TOPPED	GOVT	BIJUBANDH,NH320D-6KM
	NH320			7	BLACK TOPPED	BLACK TOPPED	GOVT	BIJUBANDH NH320-7KMM
					BLACK TOPPED	BLACK TOPPED	GOVT	TUMKELA,NH320D-7.5KM
	NH320D			6.5	BLACK TOPPED	BLACK TOPPED	GOVT	TUMKELA,NH320D-6.5KM

MINING LEASES (SAND) MARKED ON THE DISTRICT TOPO-MAP OF SUNDARGARH



SCALE-1:550,000



FOR QUARRY DETAILS REFER POINT NO-03

LEGEND

-  NEW_SAND_SOURCES
-  EXISTING_SAND_SOURCES
-  DISTRICT_BOUNDARY

MINING LEASES (SAND) MARKED ON THE DISTRICT SATELLITE-MAP OF SUNDARGARH

83 584385 83 982650 84 380915 84 779180 85 177445

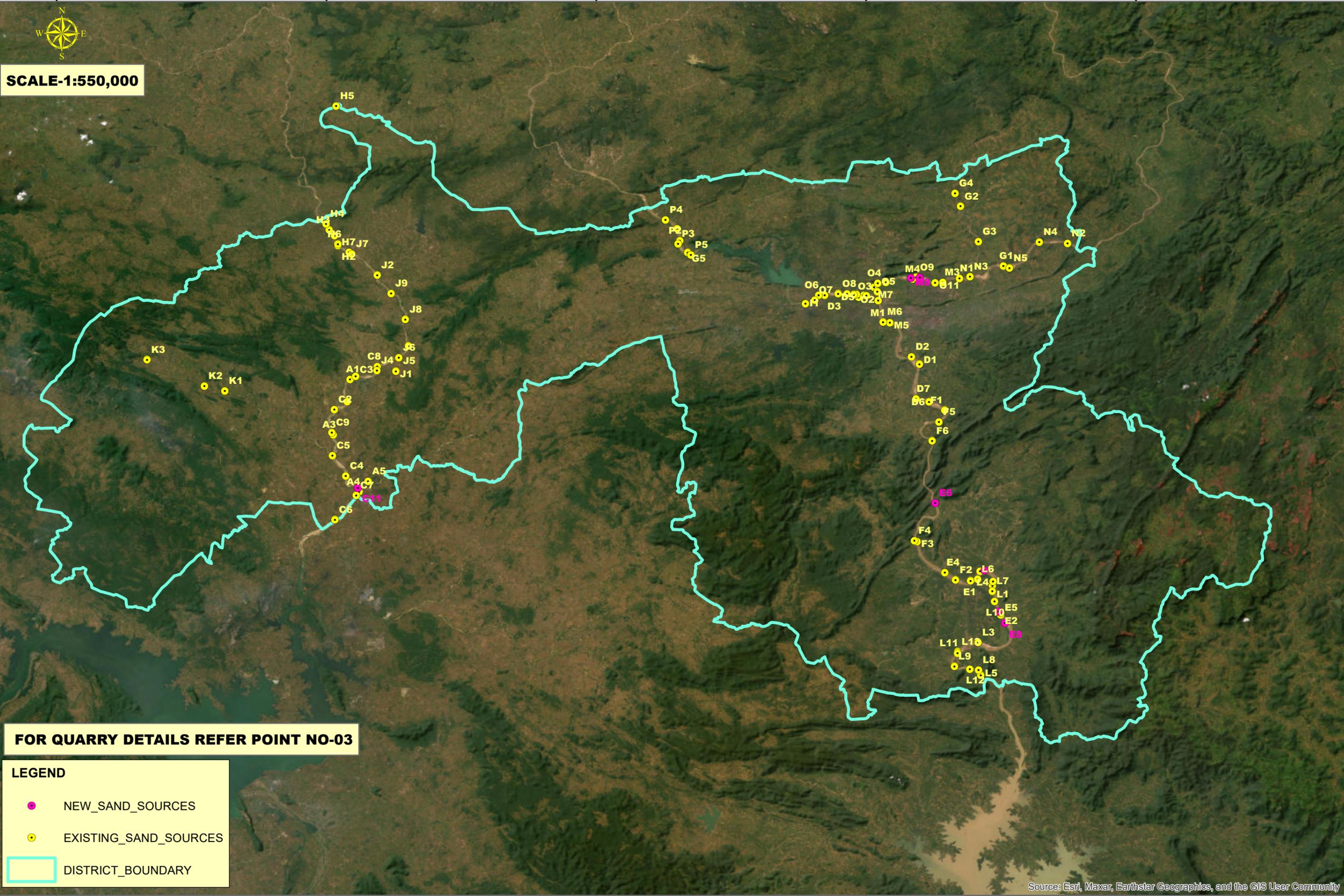


SCALE-1:550,000

FOR QUARRY DETAILS REFER POINT NO-03

LEGEND

- NEW_SAND_SOURCES
- EXISTING_SAND_SOURCES
- ▭ DISTRICT_BOUNDARY



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

83 584385 83 982650 84 380915 84 779180 85 177445