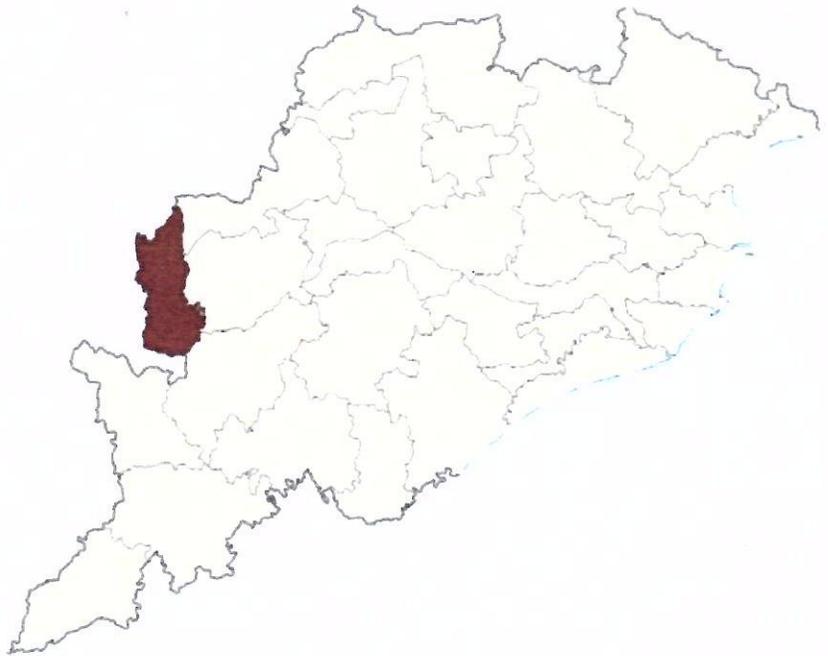




DISTRICT SURVEY REPORT (DSR) OF NUAPADA DISTRICT, ODISHA FOR RIVER SAND MINING

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, NUAPADA
JULY-2025**


17.07.25
Deputy Director of Mines
Kalahandi Circle, Bhawanipatna



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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

The District of Nuapada was a part of Kalahandi District till early March 1993, but for administrative convenience, Kalahandi District was divided into two parts i.e. Kalahandi and Nuapada vide State Government Notification No. DRC-44/93/14218/R. dated 27th March 1993. Nuapada District now comprises one sub-division (Nuapada), two tahasils (Nuapada and Khariar) and five Community Development Blocks (Khariar, Sinapalli, Boden, Nuapada and Komna). It is believed that the District of Kalahandi formed in ancient time a part of the Mahakantara territory. During 4th century A.D.

Nuapada district is in the western part of Odisha, lying in between latitude 20°0'N and 21°5' and between longitude 82° 20E and 82° 40 E'. Its boundaries extended in the north, west and south to Mahasamund district in Chhattisgarh and in the east to Bargarh, Balangir and Kalahandi District. The district has an area of 3407.5 Km² and the administrative headquarters is located at Nuapada.

Nuapada district has basically an agrarian and forest economy. Much of the population depends on agriculture and forest. They live in subsistence economy in the absence of any alternative sources of meaningful employment. The lives of the rural people revolve around natural resources. Its management has a lot to do on their lives. Their livelihood is determined largely by the Non-Timber Forest Produces (NTFP) like **Mahua flower, Char, Harida and Bahada, Tol** etc. They procure **NTFP** both for consumption as well as selling. But since the last few decades this sector is failing to sustain their lives. The same is found in agriculture sector also. Absence of Irrigation, poor land quality make agriculture non-remunerative. In both forest and agricultural produces the people suffer distress sale. Most of the lands in Nuapada district are upland with low productivity. Irrigation facility is almost non-existent (less than 15% against the state average of 30%), land right is not clear and there are many villages which are on encroached land even if people have been staying there since generations. The pre-eighties settlement failed to reach these unfortunate people. In case of forest also the same trend is found.

The tribal people have been living in close proximity with nature. Nature forms an integral part of their lives. But there are a number of restrictions imposed upon them so far as their usufruct right is concerned.

There are many villages in this area which fall in the core region of the sanctuary. The tribal are under continuous threat of being displaced. Leaving their forest abode is the last thing these people can accept. In addition to this people are restricted to collect **NTFP**, move around in the forest, collect fuel wood etc. The situation is similar in other forest area also.

The Office of the Collector & District Magistrate is located at Nuapada. One of the important constituent of development, DRDA is also situated inside the Collectorate premises. Other important Govt. authorities like Additional District Magistrate, Sub-Collector also deliver their administration from District Head quarter, Nuapada Nuapada is a District having an unique feature in administrative setup apart from other districts of Odisha.



02. OVERVIEW OF MINING ACTIVITY IN THE DISTRICT.

Mainly the types of minor minerals constituents such as sand, stone, Morrum and bajri are required for any type of construction apart from other material like cement and steel. In earlier times, the houses / buildings were constructed in form of small dwellings with walls made up of mud plaster, stone and interlocking provided with wooden frames and there were negligible commercial as well as developmental activities resulting in less demand of building material. However, with the passage of time, new vistas of developmental activities were started. The quantity of minor minerals consumption in a particular area is a thermometer to assess the development of the area. Thus, with the pace of development activities, the consumption of minor minerals also increased. As such the demand of minor minerals in the district has started an increasing trend. In order to meet the requirement of raw material for construction, the extraction of sand is being carried out exclusively from the river beds. In district brick earth and ordinary earth mining is carried out with prior Environment Clearance (EC) to meet the requirements of brick lines and for filling / levelling purposes respectively.

So far as Nuapada district is concerned major minerals like Limestone, Graphite, Gemstone(Garnet) and Diamond are available in the district. As on date mining lease like graphite (four) nos, Lime stone (three) nos, and Semi-precious stone (one) are existing. Out of the stated mining leases only 2 nos of graphite mines viz:- Gandabahali graphihte over an area of Ac. 28.615 held by Sri Pravash Ch. Agarwal and Gandabahali and Kirkita graphite mines of over an area of 35.409 hect held by Sri Pramod Kumar Agarwal are working mining lease in the district. Specified minor minerals like quartz & decorative stones are available in the district but no quartz mines have been granted as yet.

03.THE 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 (INITIAL)		DATE OF COMMENT OF MINING OPERATION	STATUS (WORKING NON WORKING/TE MP. 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)
							FROM	TO				
1	2	3	4	5	6	7	8	9	10	11	13	14
A.NAME OF THE TAHASIL:- NUAPADA												
A1	JONK	BANKA SAND QUARRY	SAILESH KUMAR VASANI	AT/PO-TARBOD, P.S.-KOMNA, DIST-NUAPADA, 766105 , MOB NO-9938440101	NO-11422201684 , DTD-29.08.2022	4.997	2022-23	2027-28	23.09.2022	WORKING	EC22B001OR 179454 Dtd.30.07.2022	MOUZA-BANKA, KHATA NO-224 PLOT NO-398 & 37, KISSAM-NADI (82°29'31.45" 20°52'48.76", & 82°29'22.58" 20°52'35.67")
A2	JONK	HALDI SAND QUARRY-3	NARDEEP SINGH KHANDUJA	AT/PO-KHARIAR ROAD, DIST-NUAPADA, , MOB NO-9937199928	NO-11422500160 , DTD-21.01.2025	4.997	2024-25	2029-30	08.02.2025	WORKING	EC24C0107OR 5481865N, Dtd.26.12.2024	MOUZA-HALDI, KHATA NO-175, PLOT NO-1, KISSAM-NADI, LAT-20°50'33.40"N TO 20°50'44.08"N LONG- 82°27'56.19"E TO 82°28'08.02"E
A3	JONK	BHALESWAR SAND QUARRY	JITENDRA KUMAR AGRAWAL	AT/PO-DEBGARD, DIST-NUAPADA, MOB NO-9437348399	NO-11422202005 , DTD-13.10.2022	5.000	2022-23	2027-28	23.02.2023	WORKING	EC22B001OR 197250 Dtd.30.07.2022	MOUZA-BHALESWAR, KHATA NO-402(AAA), PLOT NO-1, KISSAM-NADI (82°36'53.66" 21°03'47.27", & 82°37'06.25" 21°03'30.51")
A4	JONK	SARABANG SAND QUARRY	GOPAL CHANDRA SAHU	AT/PO-NUAPADA, DIST-NUAPADA, MOB NO-8658149111	NO-11422201500 , DTD-29.07.2022	5.000	2022-23	2027-28	14.12.2023	WORKING	SIA/OR/MIN/307421/2023, Dtd.16.02.2024	MOUZA-SARABANG, KHATA NO-511(AAA), PLOT NO-464 & 541, KISSAM-NADI (82°26'52.23" 20°48'49.32", & 82°26'56.23" 20°49'03.26")
A5	JONK	MONGRAPALI SAND QUARRY	EQBAL SINGH GANDHI	AT- KHARIAR ROAD, W.NO-19, P.S- JONK, DIST. NUAPADA, PIN - 766104, MOB NO-9777555567	NO-11422201797 , DTD-15.09.2022	3.541	2022-23	2027-28	20.03.2023	WORKING	SIA/OR/MIN/291495/2022, Dtd.04.11.2022	MOUZA-MONGARAPALI, KHATA NO-187, PLOT NO-24, KISSAM-NADI (82°30'32.40" 20°55'16.22", & 82°30'28.06" 20°55'08.39")
A6	JONK	PARSABHADAR SAND QUARRY	PRAMOD KISHOR SAHU	AT- HALDI, PO-DUMERPANI, PS / DIST-NUAPADA, PIN-766105, MOB NO-8658149111	NO-11422202058 , DTD-21.10.2022	5.000	2022-23	2027-28	30.08.2023	WORKING	SIA/OR/MIN/486186/2024, Dtd.06.07.2024	MOUZA-PARSABHADAR, KHATA NO-144(AAA), PLOT NO-1, KISSAM-NADI (82°32'49.17" 20°56'21.71", & 82°32'41.94" 20°56'10.27")
A7	JONK	HALDI SAND QUARRY-2	BIPRA ROUT	AT/PO-NUAPADA, DIST-NUAPADA, MOB NO-9178686868	NO-11422401569 , DTD-02.08.2024	5.000	2024-25	2029-30	04.11.2024	WORKING	SIA/OR/MIN/467145/2024, Dtd.24.04.2024	MOUZA-HALDI, KHATA NO-175, PLOT NO-135, KISSAM-NADI, LAT-20°50'49.21"N TO 20°50'59.23"N LONG- 82°28'20.43"E TO 82°28'32.28"E

A8	JONK	BHAINSMUNDI BHUSUDI SAND QUARRY	BIJAY KUMAR SAHU	AT - SAIPALA, PS - NUAPADA, DIST. - NUAPADA, PIN - 766105, MOB NO-9938188254	NO-11422201729 , DTD-08.09.2022	4.977	2022-23	2027-28	14.09.2023	WORKING	SIA/OR/MIN/297570/2023, Dtd.04.03.2023	MOUZA-BHAINSMUNDI@BHUSUDI, KHATA NO-193 PLOT NO-855 & 1, KISSAM-NADI (82°33'44.58" 21°57'05.27", & 82°33'40.23" 21°56'52.12")
A9	JONK	CHINGRASARA SAND QUARRY	RAMESH LAL SAHU	AT/PO-NUAPADA, DIST-NUAPADA, MOB NO-9937928528	NO-11422102027 , DTD-06.12.2021	5.000	2021-22	2026-27	03.11.2021	WORKING	SIA/OR/MIN/306207/2023, Dtd.06.02.2024	MOUZA-CHINGRASARA, KHATA NO-204(AAA) PLOT NO-1& 1021, KISSAM-NADI (82°34'46.7" 20°58'41.4", & 82°34'31.5" 20°58'28.6")
A10	JONK	MANDIRPADA SAND QUARRY	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	5.000	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	NON-WORKING	NOT OBTAINED	Mouza-Mandirpada, Khata No-380 AAA, Plot No-1, 24 ,Kissam-Nadi, LAT- 20°54'46.17"N to 20°54'55.01"N LONG- 82°29'38.76"E to 82°29'54.71"E
A11	JONK	HALDI SAND QUARRY-1	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	5.673	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	NON-WORKING	NOT OBTAINED	MOUZA-HALDI, KHATA NO-175 AAA, PLOT NO-117 & 135 LAT-20°50'42.86"N TO 20°50'54.61"N LONG- 82°28'8.55"E TO 82°28'20.05"E
A12	JONK	KOLDA SAND QUARRY	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	5.000	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	NON-WORKING	NOT OBTAINED	MOUZA-KOLDA, KHATA NO-223 AAA, PLOT NO-01, KISSAM-NADI, LAT- 20°52'11.18"N TO 20°52'25.99"N LONG- 82°29'9.19"E TO 82°29'20.86"E
A13	JONK	BEHERADIHI SAND QUARRY	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	5.060	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	NON-WORKING	NOT OBTAINED	MOUZA-BEHERADIHI, KHATA NO-190 AAA, PLOT NO-267 LAT-20°55'59.73"N TO 20°56'7.90"N LONG- 82°31'58.90"E TO 82°32'10.72"E
A14	JONK	DUMERDIHI SAND QUARRY	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	5.000	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	NON-WORKING	NOT OBTAINED	Mouza-Dumerdihi, Khata No-164, Plot No-1,22,71,Kissam-Nadi LAT-20°55'10.85"N to 20°55'18.79"N LONG- 82°30'50.68"E to 82°30'59.82"E
A15	JONK	KURRUMUNDA SAND QUARRY	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	5.000	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	NON-WORKING	NOT OBTAINED	Mouza-Kurrumunda, Khata No-113, Plot No-03,Kissam-Nadi LAT-20°54'30.09"N to 20°54'41.62"N LONG- 82°29'16.31"E to 82°29'29.16"E
B.NAME OF THE TAHASIL:- KOMNA												
B1	INDRA	TENGANABASA-II SAND QUARRY	SEKHAR CHANDRA SENA	AT/PO-KOMNA, DIST-NUAPADA, MOB NO-8658835393	NO-11422000529 , DTD-29.04.2020	13.24	2020-21	2025-26	06.06.2020	NON-WORKING	SIA/OR/MIN/25803/2018,	MOUZA-TENGANABASA, KHATA NO-116, PLOT NO-233, 275 & 279, KISSAM-NADI,LAT-20°31'08.06"

												Dtd.14.08.2020	TO20°31'45.02"N,& LONG-82°39'41.22" 82°39'57.33"
C.NAME OF THE TAHASIL:- KHARIAR													
C1	SUNDAR	BICHHNAPALI SAND QUARRY	SMT.NIKIT A GUPTA	AT/PO-KHARIAR, DIST-NUAPADA, MOB NO-9437428275	NO-11432300332 , DTD-13.02.2023	4.937	2022-23	2027-28	06.06.2023	WORKING	SIA/OR/MIN/297871/2023, Dtd.04.05.2023	MOUZA-BICHHNAPALI, KHATA NO-153(AAA), PLOT NO-627, KISSAM-NADI LAT-20°14'26.51"TO 20°14'36.75"N,& LONG-82°45'17.63" TO 82°45'34.36"E	
C2	SUNDAR	TORLI SAND QUARRY	PAWAN KUMAR AGRAWAL	AT/PO-KHARIAR, DIST-NUAPADA, MOB NO-9777474276	NO-11432200015 , DTD-03.01.2022	4.937	2021-22	2026-27	05.01.2022	WORKING	2510/SEIAA, Dtd.04.09.2021	MOUZA-TORLI, KHATA NO-173(AAA), PLOT NO-1 & 545, KISSAM-NADI (82°44'28.42" 20°15'13.60", & 82°44'40.36" 20°14'50.43")	
C3	SUNDAR	KHUDPEJ SAND QUARRY	SATPAL SINGH CHHABADA	AT/PO-KHARIAR, DIST-NUAPADA, MOB NO-9437197843	NO-11432301407 , DTD-21.07.2023	4.977	2023-24	2028-29	04.03.2024	WORKING	SIA/OR/MIN/404283/2023, Dtd.10.01.2023	MOUZA-KHUDPEJ, KHATA NO-284(AAA), PLOT NO-1006, KISSAM-NADI LAT-20°18'09.40" TO 20°18'19.97"N,& LONG-82°41'00.71" 82°41'10.37"	
C4	SUNDAR	KUSHMAL SAND QUARRY	MANAS RANJAN BIBHAR	AT/PO-KHARIAR, DIST-NUAPADA, MOB NO-7671888887	NO-11432202235 , DTD-02.12.2022	4.957	2022-23	2027-28	01.12.2024	WORKING	EC22B001OR148755, Dtd.05.11.2022	MOUZA-KUSHMAL, KHATA NO-250(AAA), PLOT NO-1245 & 1569, KISSAM-NADI LAT-20°16'54.19" TO 20°17'13.19"N,& LONG-82°42'46.15" 82°42'58.54"	
C5	SUNDAR	KIKIRIBEDA SAND QUARRY	BIBEKA NANDA	AT/PO-KHARIAR, DIST-NUAPADA, MOB NO-8984455110	NO-11432201885 , DTD-29.09.2022	4.957	2022-23	2027-28	14.12.2022	NON-WORKING	2512/SEIAA Dtd. 04.09.2022	MOUZA-KIKIRIBEDA, KHATA NO-76(AAA), PLOT NO-191(A) & 191(B), KISSAM-NADI (82°41'44.10" 20°17'23.77", & 82°41'19.94" 20°17'38.14")	
C6	SUNDAR	CHANDGIRI SAND QUARRY	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	4.937	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	NON-WORKING	NOT OBTAINED	Mouza-Chandgiri, Khata No-159 AAA, Plot No-1(P)LAT-20°15'16.13"N to 20°15'23.85"N,& LONG-82°49'28.27"E to 82°49'40.61"E	
C7	SUNDAR	Bichhanapali Sand Quarry	Sri Dwarikanath Das	At- Laxmipur, Poddumbahal, Dist- Nuapada	Lease Agreement Not Done Yet	4.977	Lease Agreement Not Done Yet	Lease Agreement Not Done Yet	Lease Agreement Not Done Yet	Non-Working	EC24C0108OR5864476N, Dtd.03.05.2025	MOUZA-BICHHANAPALI , KHATA NO-153 AAA, PLOT NO-670 LAT-20°14'47.59"N TO 20°15'02.92"N,& LONG-82°46'01.88"E TO 82°46'16.28"E	
C8	SUNDAR	Areda Sand Quarry	Tahasildar Khariar	O/o The Tahasildar, Khariar, Nuapada	SUCCESSFUL BIDDER NOT FINALISED	4.937	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	Non-Working	EC22B001OR123416 Dtd.05.11.2022	MOUZA-AREDA, KHATA NO-150 AAA, PLOT NO-855,LAT-20°19'22.94"N TO 20°19'46.77"N,& LONG-82°49'10.02"E 82°49'29.40" E	

NEW SOURCE												
C9	Sundar	MAHURA SAND QUARRY	PROPOSED NEW SOURCE	PROPOSED NEW SOURCE	PROPOSED NEW SOURCE	4.047	PROPOSED NEW SOURCE	PROPOSED NEW SOURCE	PROPOSED NEW SOURCE	NON-WORKING	NOT OBTAINED	MOUZA-MAHURA, KHATA-187, PLOT- 1/1147, KISSAM-NADI,PLOT-1(LAT-20.322, LONG-82.834)PLOT-1147(LAT-20.32, LONG-82.836)
C10	Sundar	CHANATMALA SAND QUARRY	PROPOSED NEW SOURCE	PROPOSED NEW SOURCE	PROPOSED NEW SOURCE	4.047	PROPOSED NEW SOURCE	PROPOSED NEW SOURCE	PROPOSED NEW SOURCE	NON-WORKING	NOT OBTAINED	MOUZA- CHANATAMAL, KHATA-166, PLOT-587, KISSAM-NADI,LAT-20.301, LONG-82.842)
D.NAME OF THE TAHASIL:- SINAPALI												
D1	UDANTI	GADRAMAL SAND QUARRY	BIGHNAR AJ MEHER	AT/PO-SINAPALI, DIST-NUAPADA, MOB NO-8018926518	NO-11432102080, DTD-03.12.2021	4.856	2021-22	2026-27	06.11.2021	WORKING	2593/SEIAA,S EIAA-1474/03-2021	MOUZA-GADRAMAL & KHALANA, KHATA NO-239(AAA) & 240, PLOT NO-720 & 1 (82°36'26.25" 20°05'51.60" & 82°36'31.71" 20°05'41.18")
D2	UDANTI	BARGAON SAND QUARRY	PRASANT A KUMAR NAIK	AT/PO-SINAPALI, DIST-NUAPADA, MOB NO-9178206311	NO-11432201714, DTD-09.09.2022	4.653	2022-23	2027-28	06.12.2021	WORKING	2456/SEIAA,D T31.08.2021	MOUZA-BARGAON, KHATA NO-757(AAA), PLOT NO-3255 & 4245 (82°40'12.21" 20°06'49.12" & 82°40'27.43" 20°06'48.43")
D3	UDANTI	KOPIA SAND QUARRY	SANJIV KUMAR MISHRA	AT/PO-SINAPALI, DIST-NUAPADA, MOB NO-9439277311	NO-11432200025, DTD-04.01.2022	4.856	2021-22	2026-27	01.01.2022	WORKING	SEIAA-1769/07-2021 Dtd.28.07.2021	MOUZA-KOPIA & HATHIBANDHA, KHATA NO-326(AAA) & 816(AAA), PLOT NO-1969 & 1 (82°43'45.97" 20°06'32.86" & 82°43'59.91" 20°06'33.59")
D4	UDANTI	GIDHMAL SAND QUARRY	GANESH RAM MEHER	AT/PO-SINAPALI, DIST-NUAPADA, MOB NO-9777275275	NO-11432102070, DTD-03.12.2021	4.856	2021-22	2026-27	06.12.2021	WORKING	SEIAA-1473/03-2021 Dtd.01.03.2021	MOUZA-GIDHMAL, KHATA NO-144, PLOT NO-15/1400 (82°45'27.71" 20°06'08.92" & 82°45'34.96" 20°05'55.98")
D5	UDANTI	SINAPALI SAND QUARRY	SANTOSH KUMAR MEHER	AT/PO-SINAPALI, DIST-NUAPADA, MOB NO-9777075995	NO-11432102081, DTD-03.12.2021	4.653	2021-22	2026-27	06.11.2021	WORKING	SEIAA-1469/02-2021 Dtd.04.09.2021	MOUZA-SINAPALI, KHATA NO-782, PLOT NO-1 (82°38'23.07" 20°06'22.14" & 82°38'31.74" 20°06'13.87")
D6	UDANTI	PALSAPADA SAND QUARRY	CHATURBUHUA MEHER	AT/PO-SINAPALI, DIST-NUAPADA, MOB NO-9777055055	NO-11432102082, DTD-03.12.2021	4.775	2021-22	2026-27	06.11.2021	WORKING	SEIAA-1468/02-2021 Dtd.04.09.2021	MOUZA-PALSAPADA & CHATIAGUDA, KHATA NO-191 & 474, PLOT NO-1 & 2196/2253 (82°37'28.82" 20°05'49.17", & 82°37'25.40" 20°05'36.55")

D7	UDANTI	CHHATIAGUDA SAND QUARRY	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	1.618	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	NON-WORKING	NOT OBTAINED	MOUZA-CHHATIAGUDA, KHATA NO-474 AAA, PLOT NO-2115,,LAT-20°06'04.10"N TO 20°06'10.09"N,& LONG-82°37'41.08"E 82°37'48.05" E
D8	UDANTI	NILJEE SAND QUARRY	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	4.817	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	NON-WORKING	NOT OBTAINED	MOUZA-NILJEE, KHATA NO-474(AAA), PLOT NO-1294,KISSAM-NADI,LAT-20°05'50.59"N TO 20°05'58.21"N,& LONG-82°34'51.41"E 82°35'08.77" E
D9	UDANTI	LIAD SAND QUARRY	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	4.870	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	NON-WORKING	NOT OBTAINED	LIAD SAND QUARRY,MOUZA-LIAD, KHATA NO-326 AAA, PLOT NO-2269,KISSAM-NADI,LAT-20°06'04.23"N TO 20°06'13.11"N,& LONG-82°47'17.11"E 82°47'42.82" E
D10	UDANTI	GORLA SAND QUARRY	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	5.266	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	NON-WORKING	NOT OBTAINED	GORLA SAND QUARRY,MOUZA-GORLA, KHATA NO-275, PLOT NO-811, 1182, LAT-20°06'28.03"N TO 20°06'32.87"N,& LONG-82°31'54.89"E 82°32'21.58" E
D11	UDANTI	CHALNA SAND QUARRY	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	4.856	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	NON-WORKING	NOT OBTAINED	MOUZA-CHALNA, KHATA NO-290(AAA), PLOT NO-01,LAT-20°06'20.68"N TO 20°06'27.30"N,& LONG-82°42'53.07"E 82°43'04.86" E
D12	UDANTI	SAGUNBHADI SAND QUARRY	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	4.655	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	NON-WORKING	NOT OBTAINED	MOUZA-SAGUNBHADI, KHATA NO-184, PLOT NO-888,LAT-20°06'22.03"N TO 20°06'29.59"N,& LONG-82°37'56.90" E TO 82°38'08.70" E
D13	UDANTI	GANDABAHALI SAND QUARRY	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	4.856	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	SUCCESSFUL BIDDER NOT FINALISED	NON-WORKING	NOT OBTAINED	MOUZA-GANDABAHALI, NANDAGAON, KHATA NO-290(AAA) & 143(AAA), PLOT NO-1796 & 17,LAT-20°07'28.66"N TO 20°07'39.63"N,& LONG-82°41'52.42"E 82°42'03.26" E

**NB: in the above table omitted Columns are,
Column-12 Use (Captive/ Non-Captive) - All Non-Captive
Column- 15 Method of Mining (Opencast/Underground) - All Open cast.**

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

ROYALTY OF SAND					
SL. NO.	NAME OF THE TAHASIL	NAME OF SOURCE	ROYALTY FOR LAST THREE YEARS (IN LAKH)		
			2022-23	2023-24	2024-25
1	NUAPADA	BANKA SAND QUARRY	5.9	8.3	3.9
2		HALDI SAND QUARRY- 3	NA	NA	3.6
3		BHALESWAR SAND QUARRY	1	11.2	5.6
4		SARABANG SAND QUARRY	NA	5.3	4.6
5		MONGRAPALI SAND QUARRY	12.7	7.7	8.6
6		PARSABHADAR SAND QUARRY	4.5	9	9
7		HALDI SAND QUARRY- 2	NA	NA	14.1
8		BHAINSMUNDI BHUSUDI SAND QUARRY	5	8.6	8.6
9		CHINGARASARA SAND QUARRY	13.2	13.2	11.8
10		MANDIRPADA SAND QUARRY	NA	NA	NA
11		HALDI SAND QUARRY-1	6.1	2.5	NA
12		KOLDA SAND QUARRY	NA	NA	NA
13		BEHERADIHI SAND QUARRY	NA	NA	NA
14	KOMNA	TENGNABASA - II SAND QUARRY	NA	NA	NA
15	KHARIAR	BICHHANAPALI - I SAND QUARRY	1.3	7.9	1.7
16		TORLI SAND QUARRY	3.1	3.1	2.8
17		KHUDPEJ SAND QUARRY	NA	2.9	1
18		KUSHMAL SAND QUARRY	2.3	NA	1.2
19		KIKIRIBEDA SAND QUARRY	1	2	NA
20		CHANDGIRI SAND QUARRY	NA	NA	NA
21		GODDHUAPADAR SAND QUARRY	NA	NA	NA
22		BADDOHEL SAND QUARRY	NA	NA	NA
23		BICHHANAPALI-II SAND QUARRY	NA	NA	NA
24		SIKUAN SAND QUARRY	NA	NA	NA
25	AREDA SAND QUARRY	NA	NA	NA	
26	SINAPALI	GIDHMAL SAND QUARRY	3.1	2.6	0.7
27		BARGAON SAND QUARRY	3	3	2.3
28		KOPIA SAND QUARRY	5.6	5.7	5.6
29		GADRAMAL SAND QUARRY	2	2.1	0.8
30		SINAPALI SAND QUARRY	3	3	2.3
31		PALSAPADA SAND QUARRY	3.1	3.2	3.1
32		CHHATIAGUDA SAND QUARRY	NA	NA	NA
33		NILJEE SAND QUARRY	NA	NA	NA
34		LIAD SAND QUARRY	NA	NA	NA
35		GORLA SAND QUARRY	0.8	0.8	NA
36		CHALNA SAND QUARRY	NA	NA	NA
37		GHTMAL SAND QUARRY	NA	NA	NA
38		SAGUNBHADI SAND QUARRY	NA	NA	NA
39		GANDABAHALI SAND QUARRY	NA	NA	NA

05. DETAIL OF PRODUCTION OF SAND IN LAST THREE YEARS.

PRODUCTION OF SAND					
SL. NO.	NAME OF THE TAHASIL	NAME OF SOURCE	PRODUCTION FOR LAST THREE YEARS(IN CUM)		
			2022-23	2023-24	2024-2025
1	NUAPADA	BANKA SAND QUARRY	6666	10000	10000
2		HALDI SAND QUARRY- 3	NIL	NIL	3750
3		BHALESWAR SAND QUARRY	5000	10000	10000
4		SARABANG SAND QUARRY	6666	10000	10000
5		MONGRAPALI SAND QUARRY	5833	10000	10000
6		PARSABHADAR SAND QUARRY	4166	10000	10000
7		HALDI SAND QUARRY- 2	5500	5500	6666
8		BHAINSMUNDI BHUSUDI SAND QUARRY	5834	10000	10000
9		CHINGARASARA SAND QUARRY	5500	5500	5500
10		MANDIRPADA SAND QUARRY	NON-OPERATIONAL	NON-OPERATIONAL	NON-OPERATIONAL
11		HALDI SAND QUARRY-1	NON-OPERATIONAL	NON-OPERATIONAL	NON-OPERATIONAL
12		KOLDA SAND QUARRY	NON-OPERATIONAL	NON-OPERATIONAL	NON-OPERATIONAL
13		BEHERADIHI SAND QUARRY	NON-OPERATIONAL	NON-OPERATIONAL	NON-OPERATIONAL
14	KOMNA	TENGNABASA - II SAND QUARRY	2000	2000	2000
15	KHARIAR	BICHHANAPALI - I SAND QUARRY	583	3500	3500
16		TORLI SAND QUARRY	1500	1500	1500
17		KHUDPEJ SAND QUARRY	NIL	3000	4000
18		KUSHMAL SAND QUARRY	1166	3500	3500
19		KIKIRIBEDA SAND QUARRY	875	1500	1500
20		CHANDGIRI SAND QUARRY	NON-OPERATIONAL	NON-OPERATIONAL	NON-OPERATIONAL
23		BICHHANAPALI-II SAND QUARRY	NON-OPERATIONAL	NON-OPERATIONAL	NON-OPERATIONAL
24		SIKUAN SAND QUARRY	NON-OPERATIONAL	NON-OPERATIONAL	NON-OPERATIONAL
25		AREDA SAND QUARRY	NON-OPERATIONAL	NON-OPERATIONAL	NON-OPERATIONAL
26	SINAPALI	GIDHMAL SAND QUARRY	5945	5005	5945
27		BARGAON SAND QUARRY	6000	6000	6000
28		KOPIA SAND QUARRY	3780	3808	3780
29		GADRAMAL SAND QUARRY	4016	4205	5000
30		SINAPALI SAND QUARRY	6000	6000	6000
31		PALSAPADA SAND QUARRY	6020	6090	6160
32		CHHATIAGUDA SAND QUARRY	NON-OPERATIONAL	NON-OPERATIONAL	NON-OPERATIONAL
33		NILJEE SAND QUARRY	NON-OPERATIONAL	NON-OPERATIONAL	NON-OPERATIONAL
34		LIAD SAND QUARRY	NON-OPERATIONAL	NON-OPERATIONAL	NON-OPERATIONAL
35		GORLA SAND QUARRY	2310	2310	NIL
36		CHALNA SAND QUARRY	NON-OPERATIONAL	NON-OPERATIONAL	NON-OPERATIONAL
38		SAGUNBHADI SAND QUARRY	NON-OPERATIONAL	NON-OPERATIONAL	NON-OPERATIONAL
39		GANDABAHALI SAND QUARRY	NON-OPERATIONAL	NON-OPERATIONAL	NON-OPERATIONAL

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

Deposition is the geological process in which sediments, soils and rocks are added to a landform or land mass. Wind, ice, water, and gravity transport previously weathered surface material, which, at the loss of enough kinetic energy in the fluid, is deposited, building up layers of sediment. Deposition occurs when the forces responsible for sediment transportation are no longer sufficient to overcome the forces of gravity and friction, creating a resistance to motion; this is known as the null-point hypothesis. Deposition can also refer to the buildup of sediment from organically derived matter or chemical processes. For example, chalk is made up partly of the microscopic calcium carbonate skeletons of marine plankton, the deposition of which has induced chemical processes (diagenesis) to deposit further calcium carbonate. Similarly, the formation of coal begins with deposition of organic material, mainly from plants, in anaerobic conditions.

When rivers flood the velocity of water slows. As the result of this the river's capacity to transport material is reduced and deposition occurs. This deposition leaves a layer of sediment across the whole floodplain. After a series of floods layers of sediment form along the flood plain.

Larger material and the majority of deposition occurs next to the river channel. This is the result of increased friction (with the flood plain) causing the velocity of the river to slow and therefore rapidly reduce its ability to transport material. This leaves a ridge of higher material next to the river channel on both banks of the river known as a levee.

Methodology adopted for calculation of Mineral Potential: -

Surface area method has been adopted for estimation of reserve i.e. multiplying the surface area of sand bed with the average sand bed thickness to obtain the total volume and reserve of sand bed in Cu.m. As per MoEF guide lines 60% of sand reserve area can be given for extraction of sand.

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)
1	JONK	BANKA SAND QUARRY,MOUZA-BANKA, KHATA NO-224 PLOT NO-398 & 37, KISSAM-NADI (82°29'31.45" 20°52'48.76", & 82°29'22.58" 20°52'35.67")	4.997	17418.7(FY 2024)
2	JONK	HALDI SAND QUARRY-3,MOUZA-HALDI, KHATA NO-175, PLOT NO-1 (82°28'08.02" 20°50'40.59", & 82°27'56.19" 20°50'34.11")	4.997	5550.87(FY2023)
3	JONK	BHALESWAR SAND QUARRY,MOUZA-BHALESWAR, KHATA NO-402(AAA), PLOT NO-1, KISSAM-NADI (82°36'53.66" 21°03'47.27", & 82°37'06.25" 21°03'30.51")	5.000	12105.5(FY 2024)
4	JONK	SARABANG SAND QUARRY,MOUZA-SARABANG, KHATA NO-511(AAA), PLOT NO-464 & 541, KISSAM-NADI (82°26'52.23" 20°48'49.32", & 82°26'56.23" 20°49'03.26")	5.000	4244(FY 2024)
5	JONK	MONGRAPALI SAND QUARRY,MOUZA-MONGARAPALI, KHATA NO-187, PLOT NO-24, KISSAM-NADI (82°30'32.40" 20°55'16.22", & 82°30'28.06" 20°55'08.39")	3.541	4422(FY 2023)
6	JONK	PARSABHADAR SAND QUARRY,MOUZA-PARSABHADAR, KHATA NO-144(AAA), PLOT NO-1, KISSAM-NADI (82°32'49.17" 20°56'21.71", & 82°32'41.94" 20°56'10.27")	5.000	11689.1(FY 2023)
7	JONK	HALDI SAND QUARRY-2,MOUZA-HALDI, KHATA NO-175, PLOT NO-135 (82°28'21.02" 20°50'49.21", & 82°28'31.85" 20°50'59.23")	5.000	10574.26(FY2023)
8	JONK	BHAINSMUNDI BHUSUDI SAND QUARRY,MOUZA-BHAINSMUNDI@BHUSUDI, KHATA NO-193 PLOT NO-855 & 1, KISSAM-NADI (82°33'44.58" 21°57'05.27", & 82°33'40.23" 21°56'52.12")	4.977	9633.2(FY 2024)
9	JONK	CHINGRASARA SAND QUARRY,MOUZA-CHINGRASARA, KHATA NO-204(AAA) PLOT NO-1 & 1021, KISSAM-NADI (82°34'46.7" 20°58'41.4", & 82°34'31.5" 20°58'28.6")	5.000	5500(FY 2023)
10	JONK	MANDIRPADA SAND QUARRY,MOUZA-MANDIRPADA, KHATA NO-380 AAA, PLOT NO-1, 135 (82°29'54.71" 20°54'56.79", & 82°29'38.76" 20°54'46.72")	5.000	NON-OPERATIONAL
11	JONK	HALDI SAND QUARRY-1 MOUZA-HALDI, KHATA NO-175 AAA, PLOT NO-117 & 135 (82°28'11.08" 20°50'42.86", & 82°28'19.47" 20°50'54.61")	5.673	9567(FY2023)
12	JONK	KOLDA SAND QUARRY,MOUZA-KOLDA, KHATA NO-223 AAA, PLOT NO-01(82°29'20.86" 20°52'24.16", & 82°29'09.19" 20°52'12.75")	5.000	NON-OPERATIONAL
13	JONK	BEHERADIHI SAND QUARRY,MOUZA-BEHERADIHI, KHATA NO-190 AAA, PLOT NO-267 LAT-20°55'59.73"N TO 20°56'7.90"N LONG- 82°31'58.90"E TO 82°32'10.72"E	5.060	NON-OPERATIONAL
14	JONK	DUMERDIHI SAND QUARRY,MOUZA-DUMERDIHI, KHATA NO-164, PLOT NO-1,22,71,KISSAM-NADI LAT- 20°55'05.09"N TO 20°55'16.05"N LONG- 82°30'57.07"E TO 82°31'16.09"E	5.000	NON-OPERATIONAL
15	JONK	KURRUMUNDA SAND QUARRY,MOUZA-KURRUMUNDA, KHATA NO-113, PLOT NO-03,KISSAM-NADI LAT- 20°54'30.09"N TO 20°54'41.62"N LONG- 82°29'16.31"E TO 82°29'29.16"E	5.000	NON-OPERATIONAL
16	INDRA	TENGANABASA-II SAND QUARRY,MOUZA-TENGANABASA, KHATA NO-116, PLOT NO-233, 275 & 279, LAT-20°31'08.06" TO 20°31'45.02"N, & LONG-82°39'41.22" 82°39'57.33"	13.24	NON-OPERATIONAL
17	SUNDAR	BICHHNAPALI-I SAND QUARRY,MOUZA-BICHHNAPALI, KHATA NO-153(AAA), PLOT NO-627, KISSAM-NADI (82°45'19.19" 20°14'37.58", & 82°45'33.31" 20°14'25.11")	4.937	3550(FY 2023)
18	SUNDAR	TORLI SAND QUARRY, MOUZA-TORLI, KHATA NO-173(AAA), PLOT NO-1 & 545, KISSAM-NADI (82°44'28.42" 20°15'13.60", & 82°44'40.36" 20°14'50.43")	4.937	4482.4(FY 2023)
19	SUNDAR	KHUDPEJ SAND QUARRY, MOUZA-KHUDPEJ, KHATA NO-284(AAA), PLOT NO-1006, KISSAM-NADI (82°41'03.32" 20°18'19.75", & 82°41'04.00" 20°18'08.54")	4.977	1257.6(FY 2024)

20	SUNDAR	KUSHMAL SAND QUARRY, MOUZA-KUSHMAL, KHATA NO-250(AAA), PLOT NO-1245 & 1569, KISSAM-NADI (82°42'50.71" 20°17'12.66", & 82°42'57.04" 20°16'53.97")	4.957	2182.8(FY 2024)
21	SUNDAR	KIKIRIBEDA SAND QUARRY, MOUZA-KIKIRIBEDA, KHATA NO-76(AAA), PLOT NO-191(A) & 191(B), KISSAM-NADI (82°41'44.10" 20°17'23.77", & 82°41'19.94" 20°17'38.14")	4.957	NON-OPERATIONAL
22	SUNDAR	CHANDGIRI SAND QUARRY, MOUZA-CHANDGIRI, KHATA NO-159 AAA, PLOT NO-1(P) LAT-19°14'54.11"N TO 19°15'08.44"N, & LONG-82°28'17.62"E TO 82°28'21.68"E	4.937	NON-OPERATIONAL
23	SUNDAR	BICHHANAPALI-II SAND QUARRY, MOUZA-BICHHANAPALI, KHATA NO-153 AAA, PLOT NO-670 LAT-20°14'46.43"N TO 20°15'03.10"N, & LONG-82°46'02.15"E TO 82°46'18.03"E	4.977	NON-OPERATIONAL
24	SUNDAR	AREDA SAND QUARRY, MOUZA-AREDA, KHATA NO-150 AAA, PLOT NO-855, LAT-20°19'22.94"N TO 20°19'46.77"N, & LONG-82°49'10.02"E 82°49'29.40" E	4.937	NON-OPERATIONAL
25	UDANTI	GADRAMAL SAND QUARRY, MOUZA-GADRAMAL & KHALANA, KHATA NO-239(AAA) & 240, PLOT NO-720 & 1 (82°36'26.25" 20°05'51.60" & 82°36'31.71" 20°05'41.18")	4.856	5746.6(FY 2024)
26	UDANTI	BARGAON SAND QUARRY, MOUZA-BARGAON, KHATA NO-757(AAA), PLOT NO-3255 & 4245 (82°40'12.21" 20°06'49.12" & 82°40'27.43" 20°06'48.43")	4.653	7338(FY 2024)
27	UDANTI	KOPIA SAND QUARRY, MOUZA-KOPIA & HATHIBANDHA, KHATA NO-326(AAA) & 816(AAA), PLOT NO-1969 & 1 (82°43'45.97" 20°06'32.86" & 82°43'59.91" 20°06'33.59")	4.856	6199.5(FY 2024)
28	UDANTI	GIDHMAL SAND QUARRY, MOUZA-GIDHMAL, KHATA NO-144, PLOT NO-15/1400 (82°45'27.71" 20°06'08.92" & 82°45'34.96" 20°05'55.98")	4.856	6020.2(FY 2024)
29	UDANTI	SINAPALI SAND QUARRY, MOUZA-SINAPALI, KHATA NO-782, PLOT NO-1 (82°38'23.07" 20°06'22.14" & 82°38'31.74" 20°06'13.87")	4.653	7799.8(FY 2024)
30	UDANTI	PALSAPADA SAND QUARRY, MOUZA-PALSAPADA & CHATIAGUDA, KHATA NO-191 & 474, PLOT NO-1 & 2196/2253 (82°37'28.82" 20°05'49.17", & 82°37'25.40" 20°05'36.55")	4.775	4671.8(FY 2024)
31	UDANTI	CHHATIAGUDA SAND QUARRY, MOUZA-CHHATIAGUDA, KHATA NO-474 AAA, PLOT NO-2115,,LAT-20°06'04.10"N TO 20°06'10.09"N, & LONG-82°37'41.08"E 82°37'48.05" E	1.618	NON-OPERATIONAL
32	UDANTI	NILJEE SAND QUARRY, MOUZA-NILJEE, KHATA NO-474(AAA), PLOT NO-1294, LAT-20°05'50.93"N TO 20°25'58.09"N, & LONG-82°34'53.93"E 82°35'09.74" E	4.817	NON-OPERATIONAL
33	UDANTI	LIAD SAND QUARRY, MOUZA-LIAD, KHATA NO-326 AAA, PLOT NO-2269, LAT-20.103, & LONG-82.791	4.870	NON-OPERATIONAL
34	UDANTI	GORLA SAND QUARRY, MOUZA-GORLA, KHATA NO-275, PLOT NO-811, 1182, (PLOT NO-811 LAT-20.109, & LONG-82.532), (PLOT NO-1182, LAT-20.108, & LONG-82.539)	5.266	NON-OPERATIONAL
35	UDANTI	CHALNA SAND QUARRY, MOUZA-CHALNA, KHATA NO-290(AAA), PLOT NO-01, LAT-20°06'20.67"N TO 20°06'27.91"N, & LONG-82°42'52.76"E 82°43'04.50" E	4.856	NON-OPERATIONAL
36	UDANTI	SAGUNBHADI SAND QUARRY, MOUZA-SAGUNBHADI, KHATA NO-184, PLOT NO-888, LAT-20006'19.76"N TO 20006'28.96"N, & LONG-82037'55.59" E TO 82038'07.74" E	4.655	NON-OPERATIONAL
37	UDANTI	GANDABAHALI SAND QUARRY, MOUZA-GANDABAHALI, NANDAGAON, KHATA NO-290(AAA) & 143(AAA), PLOT NO-1796 & 17, LAT-20°07'29.10"N TO 20°07'39.28"N, & LONG-82°41'51.96"E 82°42'01.74" E	4.856	NON-OPERATIONAL

07. GENERAL PROFILE OF THE DISTRICT.

Geographical position: Longitude -82°20' to 82°40' E
Latitude- 20° 0' to 21°5' N

Area & Population: -

The district has an area of 3852 sq.kms, per the demography is concerned, the District has got total population of 610382 people with 308420 Females per 301962 Males (2011 Census), including total 221625 male population and 219537 female population. Total SC population of the District is 82159 and ST population is 206327 as per 2011 census.

Climate: -

There is a meteorological observatory in the district. The data of this observatory may be taken as representative of the meteorological condition of the whole district. The month of May as the hottest month reach to a daily maximum temperature of 44 degree Celsius. In association with the passage of western disturbances across north India during winter months, short spells of cold occur and the temperature drops down to 10 degrees Celsius. The average annual rainfall of the district is 1378.2 mm. However, there is a great variation of rainfall from year to year.

Economy:

Nuapada district has basically an agrarian and forest economy. Much of the population depends on agriculture and forest. They live in subsistence economy in the absence of any alternative sources of meaningful employment.

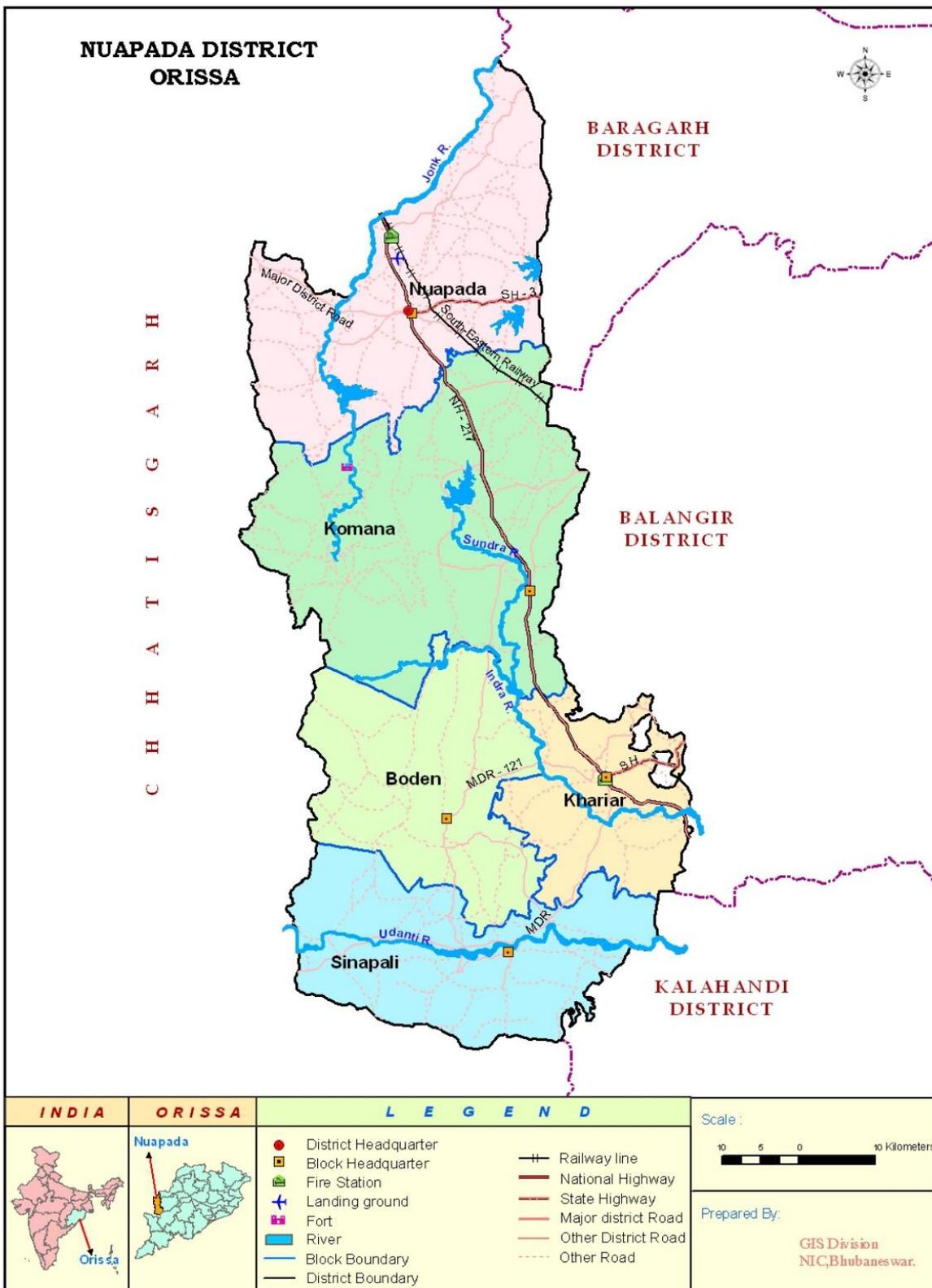
The lives of the rural people revolve around natural resources. Its management has a lot to do on their lives. Their livelihood is determined largely by the Non-Timber Forest Produces (NTFP) like **Mahua flower, Char, Harida and Bahada, Tol** etc. They procure **NTFP** both for consumption as well as selling. But since the last few decades this sector is failing to sustain their lives. The same is found in agriculture sector also. Absence of Irrigation, poor land quality make agriculture non remunerative. In both forest and agricultural produces the people suffer distress sale. Most of the lands in Nuapada district are upland with low productivity. Irrigation facility is almost non-existent (less than 15% against

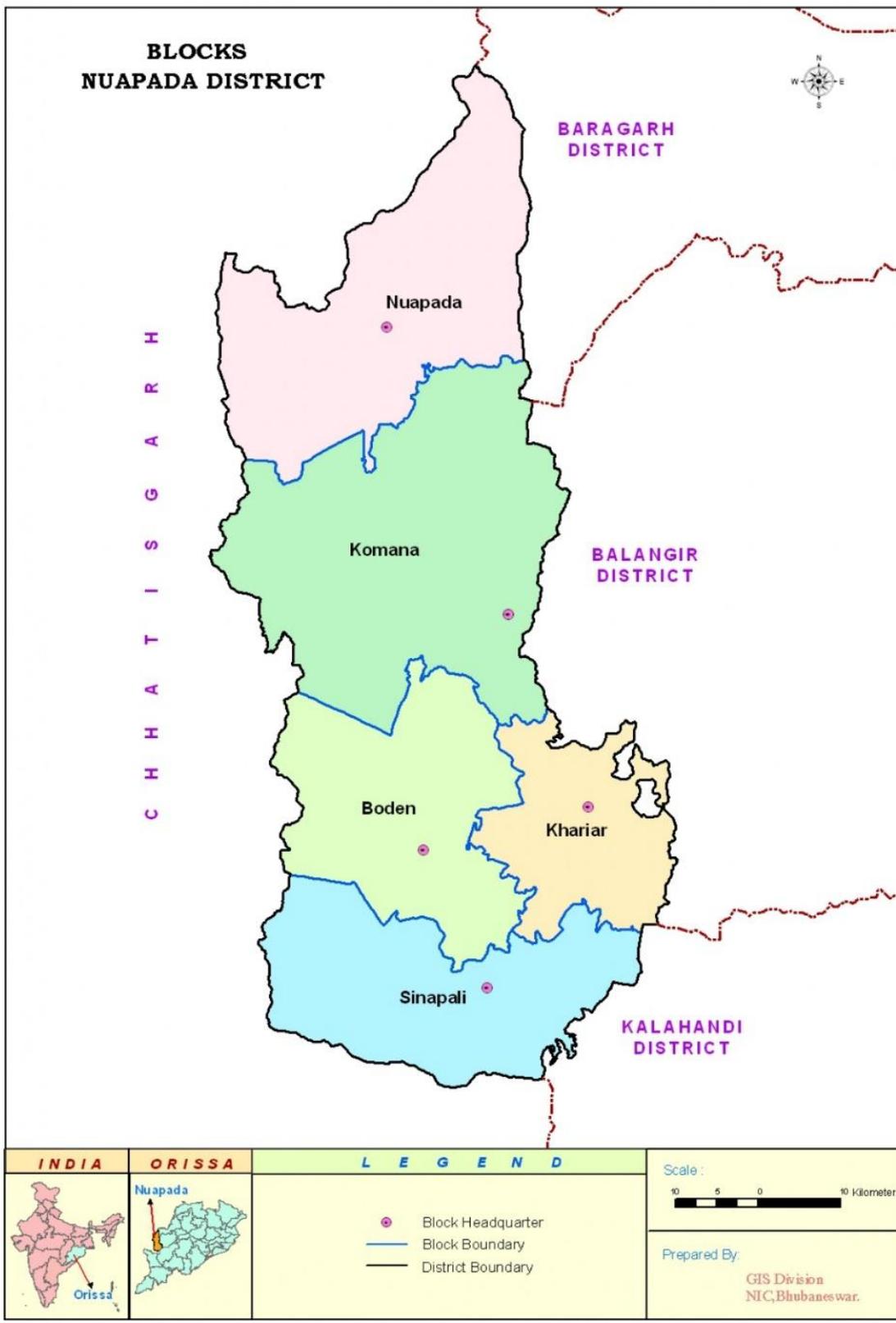
the state average of 30%), land right is not clear and there are many villages which are on encroached land even if people have been staying there since generations. The pre-eighties settlement failed to reach these unfortunate people. In case of forest also the same trend is found. The tribal people have been living in close proximity with nature. Nature forms an integral part of their lives. But there are a number of restrictions imposed upon them so far as their usufruct right is concerned.

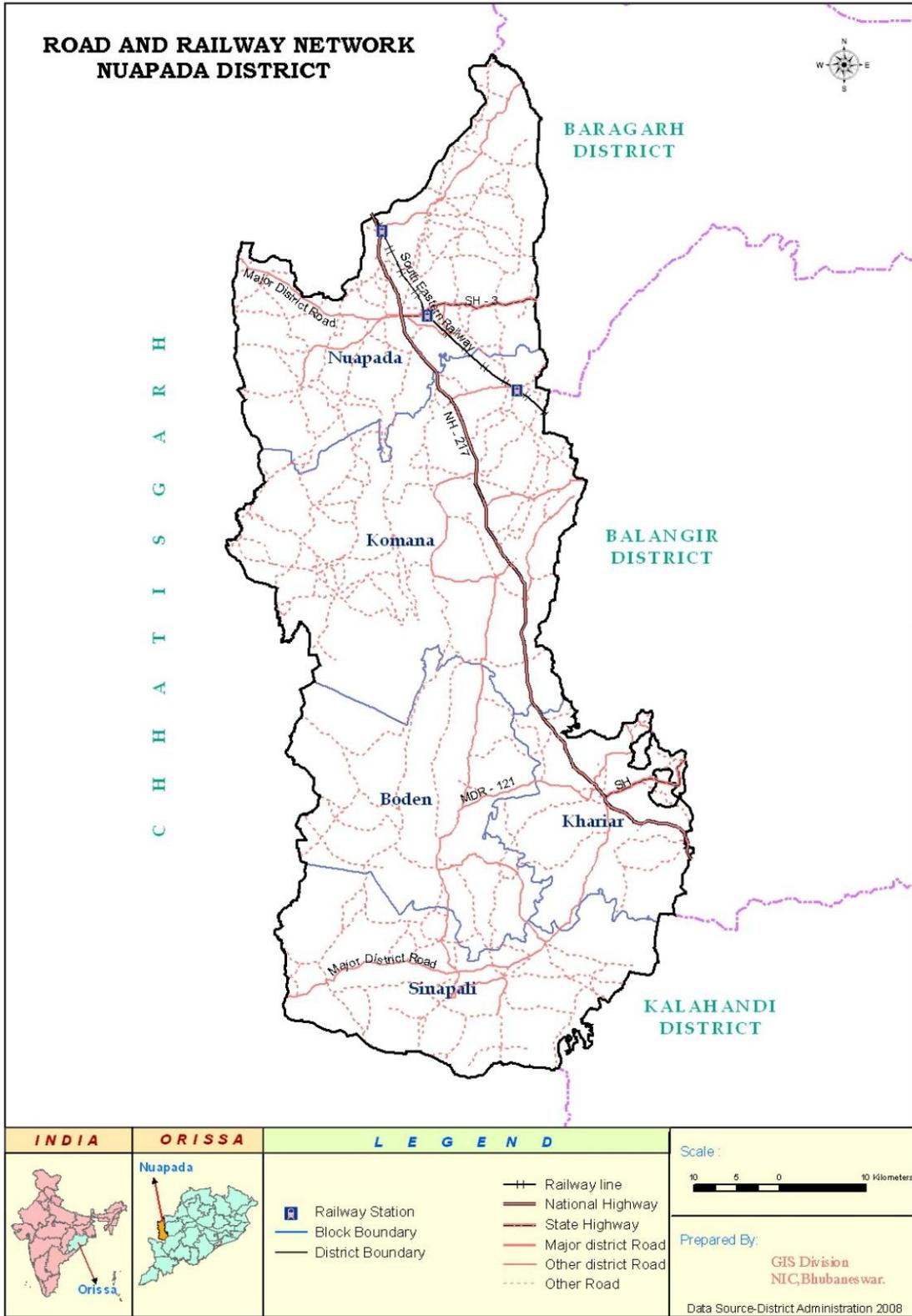
There are many villages in this area which fall in the core region of the sanctuary. The tribal are under continuous threat of being displaced. Leaving their forest abode is the last thing these people can accept. In addition to this people are restricted to collect **NTFP**, move around in the forest, collect fuel wood etc. The situation is similar in other forest area also.

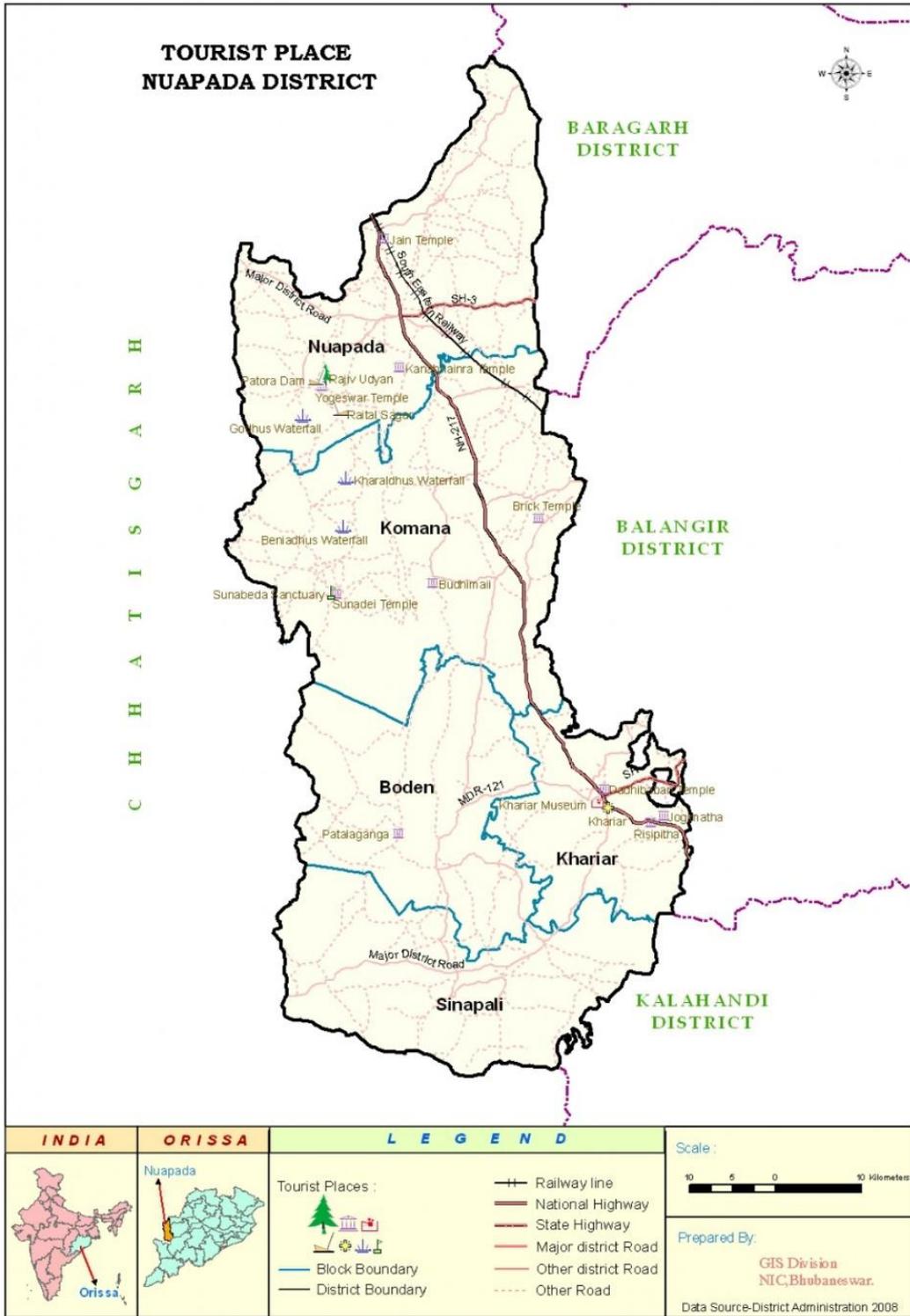
Demography: -

description	Value
Area	3852 sq.km
Area under forest	1849.00 sq.km %
No. of Sub-Division	0
No. of Block	5
Assembly Constituencies	2
No. of Police Station	6
No. of Tahasils	5
No. of Gram Panchayats	131
No. of NACs	1
No. of Revenue Villages	652









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

FOREST:-

Area Statement of P R F

Sl. No.	Name of Range	Name of P.R.F.	Compartment No.	Notification No. with date	Area in Ha.	
1	2	3	4	5	6	
1	Sinapali	Adendungri	0	FS-84/79-27651	07.04.1979	22.8
2	Sinapali	Adipita	10	FS-70/79-47370	27.6.1979	6475.04
3	Nuapada	Ainlajuba-A	0	FS-69/79-28312	10.4.1979	58
4	Nuapada	Ainlajuba-B	0	FS-57/79-28367	10.4.1979	40
5	Nuapada	Ainlajuba-C	0	FS-60/79-30876	19.4.1978	45.8
6	Khariar	Babebir	0	FS-134/82-37140	1.6.1984	58.84
7	Sinapali	Badibahal	0	FS-89/83-46275	12.7.1984	10.2
8	Khariar	Bajeni	0	FS-300/78-86823	26.12.1978	996.32
8(p)	Komna	Bajeni	0	FS-300/78-86823	26.12.1978	919.68
9	Khariar	Bankapur	0	FS-173/78-68518	20.10.78	71.7
10	Komna	Barkot-A	0	FS-74/79-29042	12.4.1979	294.76
11	Komna	Barkot-Extensin	0	FS-392/81-31244	8.5.1984	502
12	Kh.Road	Basini-A	0	FS-23/82-33832	17.5.1984	15.62
13	Kh.Road	Basini-B	0	FS-23/82-33832	17.5.1984	89.3
14	Khariar	Belgarh-A	0	FS-68/79-28336	10.4.1979	39
15	Khariar	Belgarh-B	0	FS-65/79-28320	10.4.1979	13.48
16	Komna	Bijakhaman	0	FS-163/78-69104	23.10.1978	118.4
17	Komna	Bijakhaman (Extn.)	0	FS-94/83-46468	13.7.1984	29.12
18	Khariar	Bijili	0	FS-170/78-68490	20.10.1978	26.22
19	Khariar	Budharaja	0	FS-172/78-68486	20.10.1978	185.48
20	Khariar	Budharaja	0	FS-93/83-71150	13.11.1984	50
21	Khariar	Bundia	0	FS-141/78-69684	24.10.1978	440
22	Khariar	Chakadonger	0	FS-164/78-68713	21.10.1978	40
23	Sinapali	Chandkuanrikachhar	0	FS-146/78-68219	23.10.1978	148.52
24	Khariar	Chaulmachi	0	FS-85/79-29054	12.4.1979	1984.64
25	Khariar	Choura-A	30	FS-41/79-32388	24.4.1979	3491.4
25(p)	Sinapali	Choura-A	0	FS-41/79-32388	24.4.1979	2246.2
26	Khariar	Choura-B	0	FS-296/78-86327	23.12.1978	376
27	Komna	Chhata	0	FS-147/78-68494	20.10.1978	451.2
28	Sinapali	Chereipani	0	FS-153/78-68498	20.10.1978	663.318
29	Komna	Danijhola	0	FS-82/83-61745	14.9.1984	46
30	Khariar	Deobahal- A	0	FS-168/78-68482	20.10.1978	21.6
31	Khariar	Deobahal- B	0	FS-162/78-68528	20.10.1978	43.52
32	Nuapada	Dharambandha	0	FS-136/82-37132	1.6.1984	39.02
33	Khariar	Dharamsagar-A	0	FS-293/78-86335	23.12.1978	1388
34	Khariar	Dharamsagar-B	0	FS-66/79-29050	12.4.1979	25
35	Khariar	Dharamsagar-C	0	FS-55/79-28363	10.4.1979	16.4
36	Khariar	Dharamsagar-D	0	FS-133/82-37136	18.6.1984	15.1
37	Khariar	Gardhanakachhar	0	FS-176/78-68991	21.10.1978	210
38	Komna	Gatibeda	0	FS-200/81-71395	14.11.1984	645.6
39	Sinapali	Gharsani	0	FS-58/79-79304	8.11.1979	12.95
40	Nuapada	Ghati	0	FS-149/78-69092	23.10.1978	953.14
41	Nuapada	Ghati (extension)	0	FS-90/83-46267	12.7.1984	96
42	Sinapali	Gohirapadar	0	FS-128/82-33818	17.5.1984	93.54
43	Khariar	Gujiki	0	FS-315/78-86808	24.12.1978	121.28
44	Khariar	Gumapalanbasa	0	FS-144/78-69088	23.10.1978	29.76

Area Statement of P R F

Sl. No.	Name of Range	Name of P.R.F.	Compartment No.	Notification No. with date		Area in Ha.
1	2	3	4	5		6
45	Komna (P)	Gurudongar	8	FS-160/80-16605	7.3.1980	2239.32
45(p)	Khariar	Gurudongar	0	FS-160/80-16605	7.3.1980	3128.49
46	Kh.Road	Haldi	0	FS-311/78-88672	30.12.1978	112.9
47	Khariar	Hatapada	0	FS-166/78-60138	19.9.1978	42.56
48	Sinapali	Jamlikachhar	0	FS-156/78-68532	20.10.1978	79.32
49	Kh.Road	Jampani	0	FS-148/78-69076	23.10.1978	912
50	Komna	Jhagarai	0	FS-88/83-46256	12.7.1984	20.6
51	Nuapada	Jholpathari	0	FS-1/82-34130	19.5.1984	240
52	Nuapada	Konabhaira	0	FS-159/78-69100	23.10.1978	258
53	Sinapali	Kanduldungri	0	FS-159/80-16399	6.3.1980	39.2
54	Sinapali	Kapsidongri	0	FS-79/79-28332	4.10.1979	4.5
55	Khariar	Karadongri	0	FS-130/82-37152	1.6.1984	23.08
56	Sinapali	Karanbahali	0	FS-77/79-30884	19.4.1979	14.06
57	Khariar	Karlakote	0	FS-118/79-32392	24.4.1979	142.72
58	Sinapali	Kathibadi-A	0	FS-87/83-46279	12.7.1984	79.36
59	Sinapali	Kathibadi-B	0	FS-115/83-46472	13.7.1984	12.05
60	Nuapada	Katingpani (Extn.)	0	FS-86/83-46271	12.7.1984	126
61	Nuapada	Kendubahara	10	FS-314/78-86816	26.12.1978	1550
62	Sinapali	Kendumunda-A	0	FS-160/78-68506	20.10.1978	102.8
63	Sinapali	Kendumunda-B	0	FS-71/79-27619	7.4.1979	33.23
64	Sinapali	Kendumunda-C	0	FS-87/79-29046	12.4.1979	75.82
65	Sinapali	Kendumunda-D	0	FS-80/79-28324	10.4.1979	26.76
66	Khariar	Khairbhadi	0	FS-59/79-28371	10.4.1979	24.8
67	Khariar	Khirmal	0	FS-313/78-86812	26.12.1978	229.76
68	Khariar	Khamtarai	0	FS-171/78-69079	23.10.1978	279.72
69	Sinapali	Kharseldongri	0	FS-200/81-26822	8.4.1984	10.05
70	Khariar	Khasbahal	0	FS-165/78-68522	20.10.1978	1173.2
71	Nuapada	Kechupani	3	FS-298/78-88664	30.12.1978	624
72	Sinapali	Koilakhala	13	FS-82/79-29058	12.4.1979	10470.14
73	Sinapali	Kulihadongri	0	FS-88/79-27631	7.4.1979	13.3
74	Kh.Road	Kukurimundi	0	FS-129/82-33885	18.5.1984	63
75	Khariar	Kumudi	0	FS-162/78-69108	23.10.1978	612
76	Sinapali	Laikhaindongri	0	FS-75/79-25642	27.3.1979	3.74
77	Khariar	Lamipani	0	FS-67/79-28328	10.4.1979	75.2
78	Komna	Lankeswari	0	FS-306/78-34596	3.5.1979	272
79	Khariar	Latabanji	0	FS-56/79-28316	10.4.1979	82
80	Khariar	Lakhmipur(Lachipur)	0	FS-177/78-68502	20.10.1978	88.8
81	Nuapada	Lodra	0	FS-159/78-68514	20.10.1978	1566.844
82	Khariar	Luhakhainphuljharia	0	FS-169/78-68663	21.10.1978	13.12
83	Nuapada	Manikgarh-A- (Extn.)	0	FS-22/82-33828	17.5.1984	46.6
84	Nuapada	Manikgarh-B-(Extn)	0	FS-92/83-46283	12.7.1984	60
85	Kh.Road	Masankunda-A	0	FS-119/79-31138	20.4.1979	368
86	Kh.Road	Masankunda-B	0	FS-310/78-88688	30.12.1978	188
87	Nuapada	Mendhatal	0	FS-309/78-88684	30.12.1978	1095.2
88	Nuapada	Musharangi	0	FS-174/78-68700	21.10.1978	1997.2
89	Sinapali	Nagesh-A	0	FS-154/78-68995	21.10.1978	163.83

Area Statement of P R F

Sl. No.	Name of Range	Name of P.R.F.	Compartment No.	Notification No. with date		Area in Ha.
1	2	3	4	5		6
90	Sinapali	Nagesh-B	0	FS-156/78-68704	21.10.1978	213.1725
91	Sinapali	Nagesh-C	0	FS-971/79-25581	19.3.1979	15.07
92	Sinapali	Nagesh-D	0	FS-532/79-27523	7.4.1979	20.23
93	Sinapali	Narayandungri-A	0	FS-161/78-68510	20.10.1978	243.52
94	Sinapali	Narayandungri-B	0	FS-151/78-69084	23.10.1978	55.405
95	Sinapali	Narayandungir-C	0	FS-140/78-68999	21.10.1978	164.41
96	Khariar	Nimna	0	FS-152/78-60134	19.9.1978	336
97	Sinapali	Nuagovindpur	0	FS-94/83-46252	12.7.1984	10.04
98	Sinapali	Nuapada	0	FS-135/82-37144	1.6.1984	13.74
99	Komna	Palsipani-(A+B)	0	FS-358/81-31586	8.5.1984	5.2
100	Khariar	Patdhara	46	FS-201/81-51524	2.8.1984	31230.89
100(p)	Komna	Patdhara	0	FS-201/81-51524	2.8.1984	2101.28
100(p)	Sinapali	Patdhara	0	FS-201/81-51524	2.8.1984	3159.83
101	Komna	Patidongar	0	FS-175/78-68708	21.10.1978	1563.28
102	Khariar	Pipalpani	0	FS-278/78-75887	20.11.1978	1738.4
103	Komna	Raikalakachhar	0	FS-76/79-25613	29.3.1979	31.46
104	Komna	Rajanakachhar	0	FS-150/78-69709	24.10.1978	548
105	Khariar	Ranidongri-A	0	FS-143/78-69705	24.10.1978	120.19
106	Khariar	Ranidongri-B	0	FS-142/78-69688	24.10.1978	15.38
107	Komna	Ranidongri-D	0	FS-308/78-957	3.1.1979	221.7
108	Nuapada	Ranimai	0	FS-316/78-86798	26.12.1978	803.46
109	Khariar	Ranimaunda	0	FS-132/82-37128	1.6.1984	29.25
110	Khariar	Risipiti	0	FS-73/79-25617	29.3.1979	37.83
111	Khariar	Redhamal	0	FS-354/81-29157	28.4.1984	152.67
112	Sinapali	Salodongri	0	FS-86/79-28359	4.10.1979	5.56
113	Sinapali	Sardhapurdongri	0	FS-116/83-46287	12.7.1984	6.1
114	Khariar	Satparlia	0	FS-31/79-47366	18.7.1979	170.77
115	Kh.Road	Singhpur	0	FS-114/83-46291	12.7.1984	22.62
116	Khariar	Sukulibhata	0	FS-307/78-86835	26.12.1978	311.85
117	Nuapada	Supli	0	FS-137/82-37117	1.6.1984	87.06
118	Komna	Tandel-A	0	FS-294/78-86331	23.12.1978	283.2
119	Komna	Tandel-B	0	FS-312/78-88174	29.12.1978	162.4
120	Komna	Tandel-C	0	FS-317/78-86839	26.12.1978	1990.4
121	Khariar	Thekkodongri	0	FS-98/87-23284	14.4.1988	7.6
122	Khariar	Udulu	0	FS-139/82-37121	1.6.1984	53.78
123	Khariar Road	Amodi	0			8.04
124	Nuapada	Lakhna	0			18.62
Total:-						98401.6295

List of Reserve Forest in Khariar Division

Sl. No.	Name of Range	Name of R.F.	Notification No. with date	Area in Ha.
1	2	3	5	6
1	Khariar Road	Amodi	FS-158/78-68478 dt.20.10.1978	71.96
2	Nuapada	Lakhna	FS-131/82-37148 dt.01.06.1984	14.97
Total:				86.93


 Divisional Forest Officer
 Khariar Division

List of D.P.F. Blocks which are under process to declare as P.R.F. U/S 4-(i) Notification Of O.F.A. Act,1972

Sl No	Name of the District	Name of the Forest Block	Name of the Range	Area in Ha.	4(i) Notification No	Date
1	2	3	4	5	6	7
1	Nuapada	Budharaja	Khaariar	59.18		
2	Nuapada	Kodal	Khariar	1504.35		
3	Nuapada	Kuligaon- Lami 'A'	Khaariar	71.06		
4	Nuapada	Kuligaon- Lami 'B'	Khariar	57.24		
5	Nuapada	Pradhani	Khaariar	116.9		
6	Nuapada	Podapali	Khariar	11.05		
7	Nuapada	Salodungri	Khaariar	23.26		
8	Nuapada	Tentulidungri - A + B	Khariar	5.7		
9	Nuapada	Bhela	Komna	6.03		
10	Nuapada	Bhursidungri	Komna	5.92		
11	Nuapada	Bhaludungri	Komna	21.63		
12	Nuapada	Chhata	Komna	6.4		
13	Nuapada	Gheekoni	Komna	5.2		
14	Nuapada	Karadungri	Komna	49.24		
15	Nuapada	Kanchandungri	Komna	118.7		
16	Nuapada	Khaliakhola	Komna	6		
17	Nuapada	Line dungri	Komna	13.24		
18	Nuapada	Lamidungri	Komna	7.28		
19	Nuapada	Tuliabahal	Komna	11.8		
20	Nuapada	Khajurbahal	Nuapada	21.84		
21	Nuapada	Ratulidungri	Nuapada	41		
22	Nuapada	Samarsingh	Nuapada	22.17		
23	Nuapada	Botopali	Sinapali	2.5		
24	Nuapada	Gambhariduda	Sinapali	5.6		
25	Nuapada	Gendulipani	Sinapali	107.05		
26	Nuapada	Munidungri	Sinapali	90.48		
27	Nuapada	Mahagaon- 'A'	Sinapali	2.248		
28	Nuapada	Mahagaon- 'B'	Sinapali	0.728		
29	Nuapada	Pipalchhandi	Sinapali	39.22		
			G.TOTAL	2433.016		

Acub
Divisional Forest Officer
Khaariar Division

LIST OF VILLAGE FOREST OF KHARIAR FOREST DIVISION, KHARIAR

Sl.No	Village Forest	Area in Ha.	Notification No.	Date
1	2	3		4
1	Goutama	7.00	3772/F&E	18.2.92
2	Amsena	7.00	3772/F&E	18.2.92
3	Mahulbhata	10.00	3772/F&E	18.2.92
4	Telejhar	7.00	3772/F&E	18.2.92
5	Pagarpani	2.00	3772/F&E	18.2.92
6	Kotenchuan	2.00	3772/F&E	18.2.92
7	Kotenchuan	8.00	3772/F&E	18.2.92
8	Telejhar	2.00	3772/F&E	18.2.92
9	Pagarpani	7.00	3772/F&E	18.2.92
10	Tanwat	10.00	22805/F&E	24.12.91
11	Ratipali	10.00	22805/F&E	24.12.91
12	Sialati	10.00	22805/F&E	24.12.91
13	Junani	10.00	22805/F&E	24.12.91
14	Silva	10.00	22805/F&E	24.12.91
15	Bhurkadhoda	8.86	22805/F&E	24.12.91
16	Semarsingh	10	22805/F&E	24.12.91
17	Bhurkadhoda	3.712	22805/F&E	24.12.91
18	Sinapali	9.184	22805/F&E	24.12.91
19	Kurumpuri	4.876	22805/F&E	24.12.91
20	Kurumpuri	7.192	22805/F&E	24.12.91
21	Kusdahana	10.00	22805/F&E	24.12.91
22	Darlipada	10.00	22805/F&E	24.12.91
23	Darlipada	5.00	22805/F&E	24.12.91
	Grand Total	170.824		

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Khaariar Division

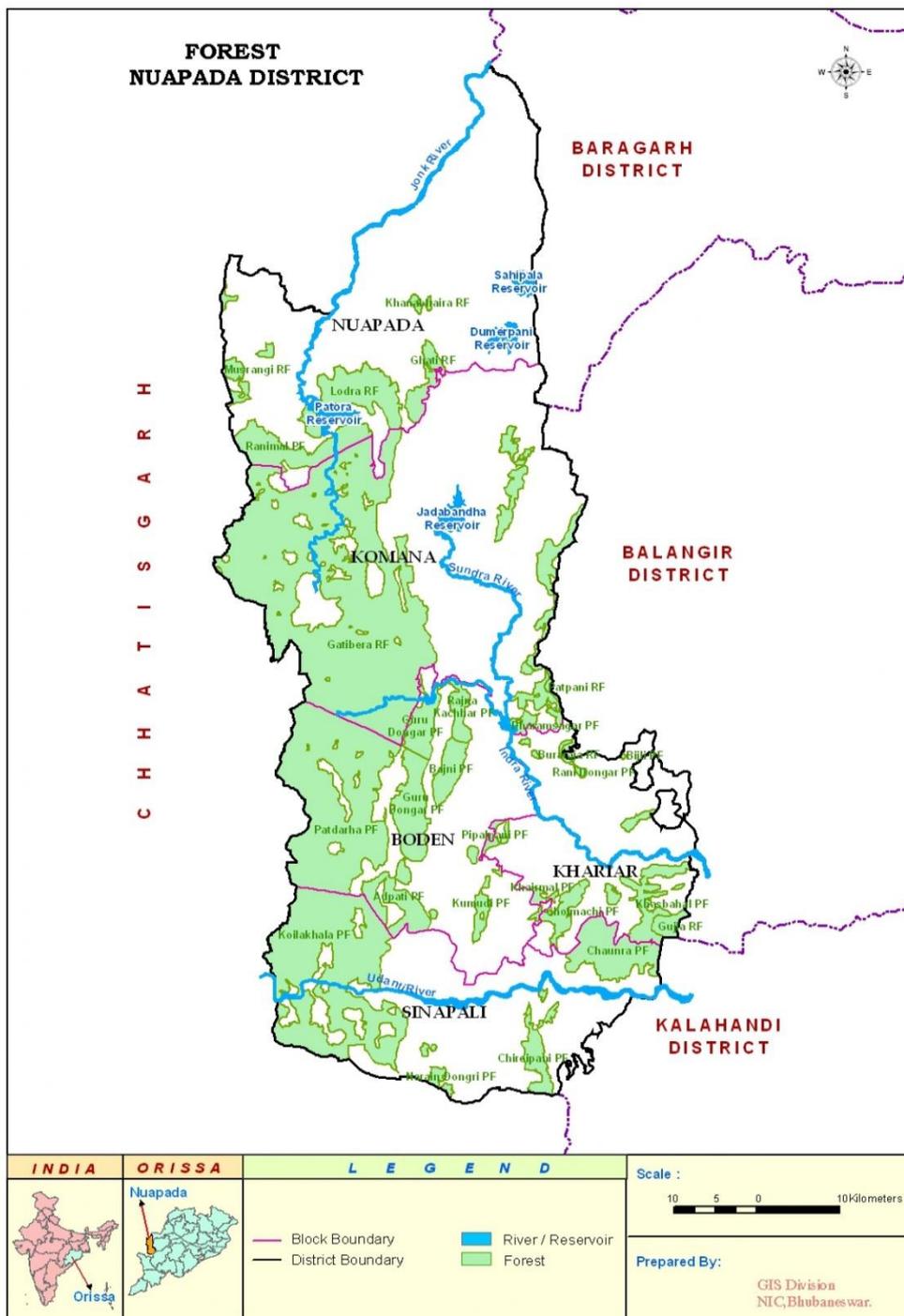
List of Un-classed Forests:-

List of Un-classed in Khariar Division				
Sl. No.	Name of Range	Name of the Un-classed Forest	Area in Ha.	Name of Project constructed
1	2	3	4	5
1	Komna	Naka Building at Komna & Forester Quarter at Komna	1.11 Ac.	
2	Komna	Naka Building at Tarbod	0.54 Ac.	
3	Komna	Forest Guard Shed at Thutibar	0.05 Ac.	
4	Komna	Forest Guard Shed at Tikrapada	0.05 Ac.	
5	Komna	Forest Guard Shed at Rajana	0.04 Ac.	
6	Komna	Forest Guard Shed at Jharnamal	1.02 Ac.	
7	Komna	Range Office-cum-Quarter at Komna	1.11 Ac.	
8	Komna	Forest Guard Shed at Barkote	0.20 Ac.	
9	Komna	Forester Quarter at Barkote	0.80 Ac.	
10	Khariar	Naka House at Khariar (Range Office) (Forester Quarter)	0.19 Ac.	
11	Khariar	Forest Guard Quarter at Khariar	1.00 Ac.	
12	Khariar	Forest Guard Quarter at Dhanksar	0.50 Ac.	
13	Khariar	Forest Guard Quarter at Ranimunda	0.28 Ac.	
14	Khariar	Forest Guard Quarter at Duajhar	0.09 Ac.	
15	Khariar	Forest Guard Quarter at Dohelpada	0.40 Ac.	
16	Khariar	Forest Guard Quarter at Kusumkhunta	0.08 Ac.	
17	Khariar	Forester Quarter and F.G- cum- RI Shed at Boden	1.60 Ac	
18	Khariar	Forester Quarter, F.G. Quarter and Lac F.G Quarter at Sargidihi	0.56 Ac	

19	Khariar	Forester Quarter at Sanmaheswar	1.26 Ac.	
20	Khariar	Forest Guard Quarter at Lachipur	0.02 Ac.	
21	Khariar	Forest Guard Quarter at Junapani	Ac.	
22	Khariar	Forest Guard Quarter at Upperpita	0.04 Ac.	
23	Nuapada	Naka Building at Nuapada & Range Office-cum- Quarter at Nuapada	0.43 Ac.	
24	Nuapada	Naka Building at Lakhna	0.12Ac	
25	Nuapada	Naka Building at Amanara	0.30Ac	
26	Nuapada	Naka Building at Bhera	0.11Ac	
27	Nuapada	F.G. Shed at Anlajuba	0.03Ac	
28	Nuapada	F.G. Shed at Kendubahada	0.14Ac	
29	Nuapada	F.G.-cum-R.I. Shed at Lakhna and .Permanent Nursery	2.00Ac	
30	Khariar Road	Naka House at Beltukuri	0.23Ac	
31	Nuapada	F.G. Shed at Tanwat	0.10Ac	
32	Khariar Road	F.G.-cum-R.I. Shed at Amodi	0.42Ac	
33	Khariar Road	F.G.-cum-R.I. Shed at Masankonda	0.40Ac	
34	Khariar Road	F.G. Shed at Biorbhadi	0.40Ac	
35	Nuapada	Naka Building & F.G.Quarter at Dharambandha	0.17Ac	
36	Nuapada	F.G. Shed at Katingpani	0.07Ac	
37	Nuapada	F.G.Shed at Golabandh	0.02Ac	
38	Nuapada	Forester Quarter at Dharambandha	0.17Ac	
39	Khariar Road	Forester Qr. at Khariar Road &F.G.Qr.at Khariar Road	1.75Ac	

40	Sinapali	Range Office-cum-Quarter at Sinapali	0.22Ac	
41	Sinapali	Forester Quarter & Nursery at Sinapali	2.12Ac	
42	Sinapali	Forester Qr. & F.G. Qr.-cum-R.I.Shed, Patialpada	0.08Ac	
43	Sinapali	Forester Qr. at Darlipada	0.12Ac	
44	Sinapali	F.G. Qr. at Baijalpur	0.17Ac	
45	Sinapali	F.G.Shed at Nangalbod & Forester Qr at Nangalbod	4.21Ac	
46	Sinapali	F.G. Qr. at Ghatmal	0.11Ac	
47	Nuapada	Nursery at Dharambandha	2.00Ac	
48	Sinapali	Darlipada-Ghatmal Forest Road	19.20 Km.	
48	Sinapali	Ghatmal-Chitarama Forest Road	5.6 Km.	
50	Sinapali	Sinapali-Patialpada Forest Road	8.00 Km.	
51	Sinapali	Liad-Ranimunda Forest Road	5.60 Km.	
52	Sinapali	Ghatmal-Amlipadar Forest Road	31.20 Km.	
53	Sinapali	Ghatmal-Patdarha Forest Road	6.20 Km.	
54	Sinapali	Patialpada-Kaseipani Forest Road	2.50 Km.	
55	Sinapali	Chikalchuan-Ghatmal Forest Road	14.40 Km.	
56	Khariar	Bhimakhol-Ranimunda Forest Road	12.20 Km.	
57	Khariar	Ranimunda-Kampaniguma Forest Road	2.40 Km.	
58	Khariar	Birighat-Mantritarei Forest Road	8.20 Km.	
59	Khariar	Dhobei-Redhamal Forest Road	8.80 Km.	
60	Khariar	Bhainsadani-Patdarha Forest Road	3.16 Km.	
61	Khariar	Redhamal-Bhuinpani Forest Road	12.00 Km.	
TOTAL:			44 .00Ha.	


 Divisional Forest Officer
 Khariar Division



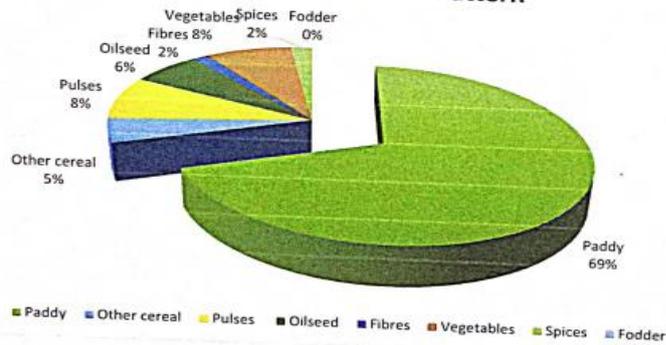
AGRICULTURE:-

Land Utilization Pattern (Agriculture)

Kharif 2024-25

Sl No.	Crop Group	Irrigated	Non-Irrigated	Total
1	Paddy	52366	33929	86295
2	Other cereal	3435	10231	13666
3	Pulses	6308	34730	41038
4	Oilseed	4840	7581	12421
5	Fibres	1212	19168	20380
6	Vegetables	5901	5695	11596
7	Spices	1426	1050	2476
8	Fodder	15	125	140
Total		75503	112509	188012

Kharif Land Utilization Pattern



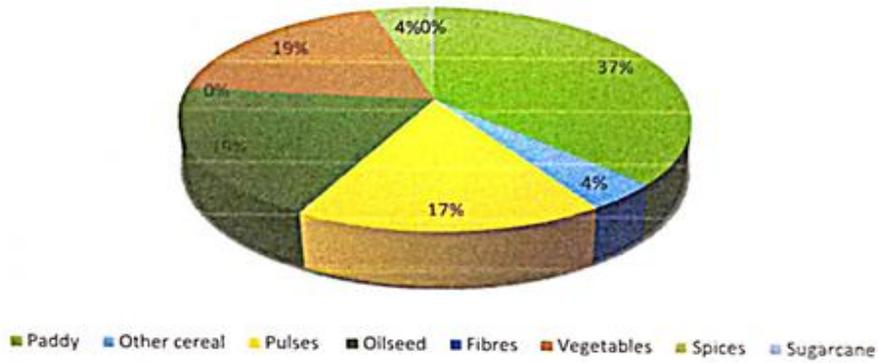

 Chief District Agriculture Officer
 Nuapada

Land Utilization Pattern (Agriculture)

Rabi 2024-25

Sl No.	Crop Group	Irrigated	Non-Irrigated	Total
1	Paddy	13426	0	13426
2	Other cereal	1484	0	1484
3	Pulses	6063	48919	54982
4	Oilseed	6892	1296	8188
5	Fibres	0	0	0
6	Vegetables	6892	1296	8188
7	Spices	1620	244	1864
8	Sugarcane	85	0	85
Total		36462	51755	88217

Rabi land utilization



Chief District Agriculture Officer
Nuapada

Land Utilization Pattern (Agriculture)

Sl No.	Season	Gross Agriculture Cropped area	Total geographical area	Gross Agriculture Cropped area (%)
1	Kharif	188012	385000	48.83
2	Rabi	88217	385000	22.91
	Total	276229	385000	71.75

Deen
29/3/25
Chief District Agriculture Officer
Nuapada

HORTICULTURE:-

HORTICULTURE LAND

The primary objective of Horticulture Department is increase of production as well as productivity of major fruits like Mango, Guava, Citrus etc., which is widely covered in this District. Another key objective is the all-round development of the farming community of the district. The Assistant Director of Horticulture is the head of office, The horticulture statistics for the district is shown in subsequent tables below:

Road Metal /Building Stone Mining

DSR of Nuapada District.

Horticulture Crops	Total Area (in ha.)
Mango	7890
Citrus	200
Papaya	150
Pineapple	50
Guava	400

Deen
24/6/25
Assistant Director of Horticulture
Nuapada

OFFICE OF THE ASSISTANT DIRECTOR OF HORTICULTURE, NUAPADA

Letter No. 1201 /Hort

Dated, 24/6/25-

Copy submitted to the Mining Officer, Nuapada for favour of kind information and necessary action.

Deen
24/6/25
Assistant Director of Horticulture
Nuapada

MINING:-

Mining activity in Nuapada district of Odisha is primarily limited to the extraction of minor minerals, particularly sand and stone.

Sand mining in Nuapada district primarily takes place along riverbeds, especially from the Tel River and its tributaries. The extracted sand is mainly used for local construction projects, infrastructure development, and small-scale commercial activities. This activity is regulated by the district administration in accordance with the Odisha Minor Mineral Concession Rules, which also mandate environmental clearances to ensure sustainable practices.

Stone mining in the district involves the extraction of materials such as laterite and road metal stones. These resources are quarried from various locations, particularly in areas with rocky terrain. The mined stone is commonly used for road works, building construction, and other civil engineering purposes. Mining licenses for these operations are issued and managed by the district mining office.

Environmental impacts such as soil erosion, degradation of riverbeds, and ecological imbalance can result from excessive or unregulated mining. To mitigate these risks, monitoring and enforcement are carried out by the State Pollution Control Board along with local authorities.

09. PHYSIOGRAPHY OF THE DISTRICT.

The district Nuapada is situated at the south western part of Odisha constituting part of Western Ghat Mobile belt normally a rugged hilly terrain. The District covers a number of new series Topo sheets i.e. F44W5, F44W6, F44W7, F44W8, F44W9, F44W10, F44W11, F44W12, F44W13, F44W14.

Nuapada district is in the western part of Odisha lying between latitude 20° 0' N and 21° 5' and between longitude 82°20'E and 82°40'E. Its boundary extends in the north, west and south to Mahasamund district in Chhatisgarh and in the east to Bargarh, Balangir and Kalahandi district. The district has an area of 3407.5km² and the administrative headquarters is located at Nuapada.

The Plains of Nuapada subdivision are fringed by rugged hill ranges stretching southward, which belongs to the main line of the Eastern Ghats and contain extensive plateaus of about 4000ft(1200m) in elevation.

Nuapada district is physiologically a complex terrain having numerous numbers of hill, mounds, plane lands, river beds, agricultural lands, forest growth areas etc. Hills and mounts are more common in the district where as in the western part is more hill ranges as compared to other parts. As the district is a part of Eastern ghat mobile belt so the rock types are mostly homogenous in nature, so the drainage pattern developed in the region is dendritic pattern. Some drainage trend flows within the district. There are several seasonal nala / dry nala & a few perineal natural drainage exists within the district. Main river system that flows in the district namely Udanti, Jonk , Sundar etc.

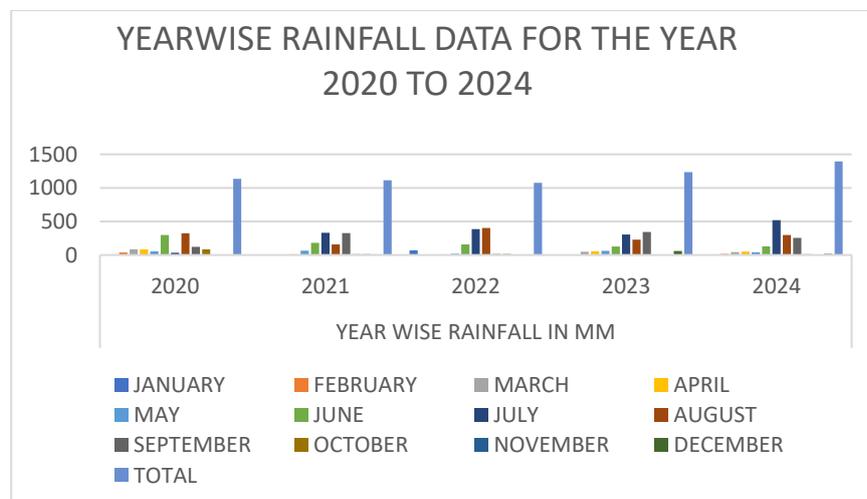
The main township those developed in the district are Nuapada, Rajkharar and Khariar Road. Also the district head quarter Nuapada is present in the central part of the district and connect to all parts of the district through roadways.

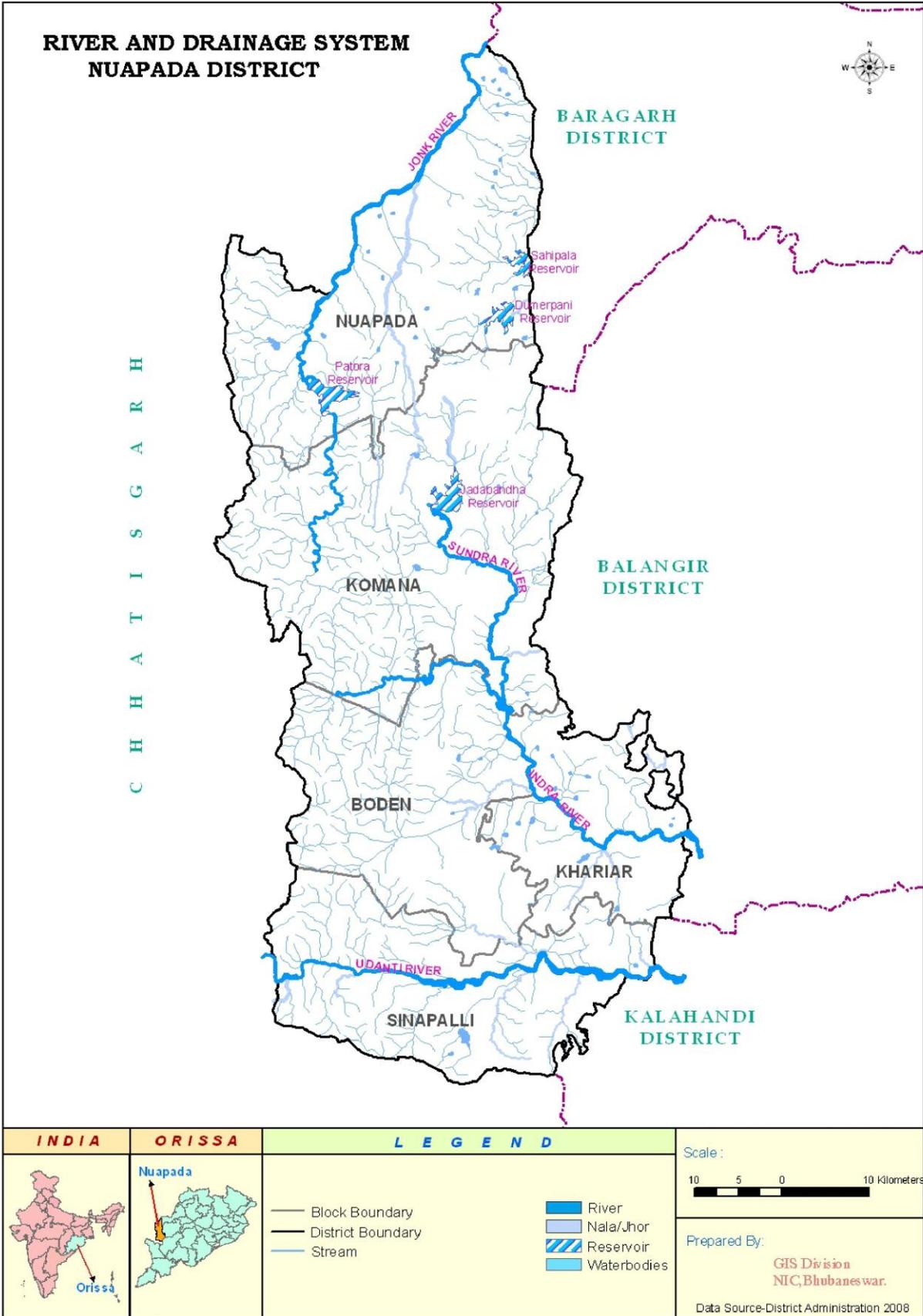
10. RAINFALL: MONTH-WISE.

The south-west monsoon is the principal source of rainfall in the district. Average annual rainfall of the district is 1378.2 mm. About 75% of the total rainfall is received during the period from June-September. Droughts are quite common in the district. As the district falls in the rain shadow region the rainfall is very erratic. The climate of the district is subtropical with hot and dry summer and pleasant winter. The summer season extends from March to middle of June followed by the rainy season from June to September. The winter season extends from November till the end of February. Humidity is high during middle of June and it's less in post-monsoon period. The potential evapo-transpiration values varies from 3.62 cm to 23.74 cm. Wind is generally light to moderate. During summer and southwest monsoon months wind velocity increases.

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

YEARWISE RAINFALL DATA FOR THE YEAR 2020 TO 2024					
MONTH	YEAR WISE RAINFALL IN MM				
	2020	2021	2022	2023	2024
JANUARY	10.5	0	69.52	0	9.48
FEBRUARY	39.52	3.28	0	0	18.16
MARCH	83.54	0	0	47.96	43.68
APRIL	84.46	11.6	9.4	54.7	49.8
MAY	55.22	65.36	20.36	61.72	40.44
JUNE	297.38	181.34	157.1	125.96	128.36
JULY	33.46	331.56	386.42	304.9	519.48
AUGUST	323.14	157.88	401.76	228.88	298.14
SEPTEMBER	122.8	326.74	14.12	342.38	255.12
OCTOBER	84.18	13.08	14.5	8.8	12.6
NOVEMBER	0	12.64	0	0	1.8
DECEMBER	0	11.36	1.9	60.14	16.92
TOTAL	1134.2	1114.84	1075.08	1235.44	1393.98





11. GEOLOGY AND MINERAL WEALTH.

Nuapada district is part of Eastern Ghats super group, the Eastern Ghats are a discontinuous range of mountains along India's eastern coast. The Eastern Ghats runs from the northern Odisha through Andhra Pradesh to Tamil Nadu in the south passing some parts of Karnataka and in the Wayanad district of Kerala. They are eroded and cut through by four major rivers of peninsular India viz. Godavari, Mahanadi, Krishna, and Kaveri.

The mountain ranges run parallel to the Bay of Bengal. The Deccan plateau lies to the west of the range, between the Eastern Ghats and Western Ghats. The coastal plains, including the Coromandel Coast region, lie between the Eastern ghats and the Bay of Bengal. The Eastern Ghats are not as high as the Western Ghats. The Eastern Ghats are older than the Western Ghats, and have a complex geologic history related to the assembly and breakup of the ancient supercontinent of Rodinia and the assembly of the Gondwana supercontinent.

The Eastern ghats on the east coast of India is a largely granulite terrain but also exposes granites, migmatites, anorthosites and alkaline rocks. This granulite belt has a prolonged history of mountain building from late Archaen to late Proterozoic. During this long period the Eastern Ghats mobile belt witnessed repeated folding and possibly polycyclic metamorphism. Some recent findings suggest breaks between orogenic cycles and proterozoic reworking of Archean granulites. Extreme temperature crustal metamorphism under fluid absent conditions crustal anatexis in huge thickness of pelitic to psammitic protoliths producing leptynites are some of the important results of recent investigations of the Eastern ghats mobile belt. Different generation of charnockites are present in the Eastern Ghats belt, but charnockitisation of granitic gneisses is yet to be documented. Some apparently nascent growths, the patchy charnockites in the Chilika area are shown to be relict of older charnockitic rocks that suffered granulite-facies metamorphism and attendant migmatitisation.

- a. Detail of river/stream/other sand source- Sand mining in the district is confined to two rivers namely Mahanadi, Salki & Bagh.
- b. Availability of sand or gravel or aggregate resources- sand- 1275884.5 cum, Gravel- Nil, Aggregate- Nil
- c. Detail of existing mining leases of sand and aggregates- For sand details refer Annexure I. Aggregate- Nil
- d. **Drainage system with description of main river:**

The drainage of the district is controlled by the tributaries of the Mahanadi river, like the Tel and Ong rivers. The main tributaries of the Tel are Indra, Udanti, Hatti, Sagada etc. which are perennial and effluent in nature and maintain sluggish flow during peak summer months. The Jonk river is a tributary of the river Mahanadi, flows in the westerly direction and forms the state border in the northwest. The general drainage pattern in the undulating terrain is dendritic to subdendritic. More or less sub-parallel drainage is observed in the western part comprising Chattisgarh group of rocks, near foothill regions. Studies on satellite imageries and hydrogeological surveys have revealed that the drainage pattern in the district is controlled by the fracture system which is developed due to tectonic activity in the area.

DRAINAGE SYSTEM WITH DESCRIPTION OF MAIN RIVER			
Sl. No	Name of the River	Area drained (sq km)	% Area drained in the district
1	Jonk River	3484	100%
2	Sundar River	645	87%
3	Indra River	510	100%

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 IN METRE (M)	PORTION OF THE RIVER OR STREAM RECOMMENDED FOR MINERAL CONCESSION	LENGTH OF AREA RECOMMENDED FOR MINERAL CONCESSION (IN KM)	AVERAGE WIDTH OF AREA RECOMMENDED FOR MINERAL CONCESSION (IN METERS)	AREA RECOMMENDED FOR MINERAL CONCESSION (IN SQ. M)	MINEABLE MINERAL POTENTIAL (IN CUM (60% OF TOTAL MINERAL POTENTIAL))
A1	Jonk	60	Baloda	248	Banka Sand Quarry	426	117	49970	21798.6
A2	Jonk	60	Baloda	248	Haldi Sand Quarry-3	300	167	49970	14544.6
A3	Jonk	60	Baloda	248	Bhaleswar Sand Quarry	602	83	50000	22027.8
A4	Jonk	60	Baloda	248	Sarabang Sand Quarry	405	123	50000	20013
A5	Jonk	60	Baloda	248	Mongrapali Sand Quarry	189	187	35410	18126.6
A6	Jonk	60	Baloda	248	Parsabhadar Sand Quarry	352	142	50000	13672.2
A7	Jonk	60	Baloda	248	Haldi Sand Quarry-2	290	172	50000	9813
A8	Jonk	60	Baloda	248	Bhainsmundi Bhusudi Sand Quarry	340	146	49770	22452
A9	Jonk	60	Baloda	248	Chingrasara Sand Quarry	555	90	50000	30000
A10	Jonk	60	Baloda	248	Mandirpada Sand Quarry	229	218	50000	30600
A11	Jonk	60	Baloda	248	Haldi Sand Quarry-1	310	183	56730	17232
A12	Jonk	60	Baloda	248	Kolda Sand Quarry	250	200	50000	18811.2
A13	Jonk	60	Baloda	248	Beheradihi Sand Quarry	340	149	50600	30351.6
A14	Jonk	60	Baloda	248	Dumerdihi Sand Quarry	320	156	50000	30000
A15	Jonk	60	Baloda	248	Kurumunda Sand Quarry	310	161	50000	30000
B1	Indra				Tenganabasa-II Sand Quarry	210	630	132400	79472.4
C1	Sundar	75	SUNABEDA	425	Bichhnapali-I Sand Quarry	546	90	49370	35769.708
C2	Sundar	75	SUNABEDA	425	Torli Sand Quarry	786	63	49370	13113
C3	Sundar	75	SUNABEDA	425	Khudpej Sand Quarry	321	155	49770	35849.88
C4	Sundar	75	SUNABEDA	425	Kushmal Sand Quarry	614	81	49570	32968.44
C5	Sundar	75	SUNABEDA	425	Kikiribeda Sand Quarry	230	216	49570	12672
C6	Sundar	75	SUNABEDA	425	Chandgiri Sand Quarry	390	127	49370	11808
C7	Sundar	75	SUNABEDA	425	Bichhanapali-II Sand Quarry	600	83	49770	31194
C8	Sundar	75	SUNABEDA	425	Areda Sand Quarry	747	66	49370	25601.4
C9	Sundar	75	SUNABEDA	425	Mahura Sand Quarry	221	183	40469	24281.4
C10	Sundar	75	SUNABEDA	425	Chanatmala Sand Quarry	150	270	40469	24281.4
D1	Udanti	65	Udanti	415	Gadramal Sand Quarry	200	243	48560	19627.8
D2	Udanti	65	Udanti	415	Bargaon Sand Quarry	423	110	46530	3920.4
D3	Udanti	65	Udanti	415	Kopia Sand Quarry	221	220	48560	22095.78
D4	Udanti	65	Udanti	415	Gidhmal Sand Quarry	407	119	48560	19126.8
D5	Udanti	65	Udanti	415	Sinapali Sand Quarry	315	148	46530	17426.4
D6	Udanti	65	Udanti	415	Palsapada Sand Quarry	380	126	47750	8151
D7	Udanti	65	Udanti	415	Chhatiaguda Sand Quarry	70	231	16180	9298.2
D8	Udanti	65	Udanti	415	Niljee Sand Quarry	470	102	48170	16729.2
D9	Udanti	65	Udanti	415	Liad Sand Quarry	667	73	48700	9696
D10	Udanti	65	Udanti	415	Gorla Sand Quarry	260	203	52660	8131.8
D11	Udanti	65	Udanti	415	Chalna Sand Quarry	270	180	48560	9759
D12	Udanti	65	Udanti	415	Sagunbhadi Sand Quarry	340	137	46550	5629.8
D13	Udanti	65	Udanti	415	Gandabahali Sand Quarry	219	222	48560	10743

Mineral Potential:

Boulder(MT)	Bajari(MT)	Sand(MT)	Total Mineable Mineral Potential(MT)	Annual Deposition
NA	NA	1275884.58	892965.22	

SL. NO.	NAME OF THE RIVER OR STREAM	PORTION OF THE RIVER OR STREAM RECOMMENDED FOR MINERAL CONCESSION	LENGTH OF AREA RECOMMENDED FOR MINERAL CONCESSION(IN MT)	AVERAGE WIDTH OF AREA RECOMMENDED FOR MINERAL CONCESSION(IN METERS)	AREA RECOMMENDED FOR MINERAL CONCESSION(IN METERS)	MINEABLE MINERAL POTENTIAL (IN METRIC TONNE) (60% OF TOTAL MINERAL POTENTIAL)
A1	JONK	BANKA SAND QUARRY	426	117	49970	21798.6
A2	JONK	HALDI SAND QUARRY-3	300	167	49970	14544.6
A3	JONK	BHALESWAR SAND QUARRY	602	83	50000	22027.8
A4	JONK	SARABANG SAND QUARRY	405	123	50000	20013
A5	JONK	MONGRAPALI SAND QUARRY	189	187	35410	18126.6
A6	JONK	PARSABHADAR SAND QUARRY	352	142	50000	13672.2
A7	JONK	HALDI SAND QUARRY-2	290	172	50000	9813
A8	JONK	BHAINSMUNDI BHUSUDI SAND QUARRY	340	146	49770	22452
A9	JONK	CHINGRASARA SAND QUARRY	555	90	50000	30000
A10	JONK	MANDIRPADA SAND QUARRY	229	223	50000	30600
A11	JONK	HALDI SAND QUARRY-1	310	161	56730	17232
A12	JONK	KOLDA SAND QUARRY	250	210	50000	18811.2
A13	JONK	BEHERADIHI SAND QUARRY	340	149	50600	30351.6
A14	Jonk	Dumerdihi Sand Quarry	320	156	50000	30000
A15	Jonk	Kurrununda Sand Quarry	310	161	50000	30000
B1	INDRA	TENGANABASA-II SAND QUARRY	210	630	132400	79472.4
C1	SUNDAR	BICHHNAPALI-I SAND QUARRY	546	90	49370	35769.708
C2	SUNDAR	TORLI SAND QUARRY	786	63	49370	13113
C3	SUNDAR	KHUDPEJ SAND QUARRY	321	155	49770	35849.88
C4	SUNDAR	KUSHMAL SAND QUARRY	614	81	49570	32968.44
C5	SUNDAR	KIKIRIBEDA SAND QUARRY	230	216	49570	12672
C6	SUNDAR	CHANDGIRI SAND QUARRY	390	127	49370	11808
C7	SUNDAR	BICHHANAPALI-II SAND QUARRY	600	83	49770	31194
C8	SUNDAR	AREDA SAND QUARRY	747	71	49370	25601.4
C9	SUNDAR	MAHURA SAND QUARRY	221	183	40469	24281.4
C10	SUNDAR	CHANATMALA SAND QUARRY	150	270	40469	24281.4
D1	UDANTI	GDRAMAL SAND QUARRY	200	243	48560	19627.8
D2	UDANTI	BARGAON SAND QUARRY	423	110	46530	3920.4
D3	UDANTI	KOPIA SAND QUARRY	221	220	48560	22095.78
D4	UDANTI	GIDHMAL SAND QUARRY	407	119	48560	19126.8
D5	UDANTI	SINAPALI SAND QUARRY	315	148	46530	17426.4
D6	UDANTI	PALSAPADA SAND QUARRY	380	126	47750	8151
D7	UDANTI	CHHATIAGUDA SAND QUARRY	70	231	16180	9298.2
D8	UDANTI	NILJEE SAND QUARRY	470	102	48170	16729.2
D9	UDANTI	LIAD SAND QUARRY	667	73	48700	9696
D10	UDANTI	GORLA SAND QUARRY	260	202	52660	8131.8
D11	UDANTI	CHALNA SAND QUARRY	270	180	48560	9759
D12	UDANTI	SAGUNBHADI SAND QUARRY	340	137	46550	5629.8
D13	UDANTI	GANDABAHALI SAND QUARRY	219	222	48560	10743

Details of Sand/M-Sand Sources

a) Rivers:

River Name/M-Sand plant	Total Stretch of River (in KM)	Type of River (Perennial or Non-Perennial)
UDANTI	54	PERENNIAL
JONK	55	PERENNIAL
SUNDAR	66	PERENNIAL
INDRA	22	PERENNIAL

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)
PATORA DAM	Govt.	PATORA	NUAPADA	NUAPADA	PATORA	942
YUDHGHAT DAM	Govt.	BOIRGAON	NUAPADA	BODEN	BOIRGAON	3082
BADIBAHAL DAM	Govt.	BADIBAHAL	NUAPADA	NUAPADA	BADIBAHAL	65
LIAD DAM	Govt.	LIAD	NUAPADA	SINAPALI	JHANKARGUDA	22.5
RANIMUNDA DAM	Govt.	RANIMUNDA	NUAPADA	KHARIAR	PALAMA	15
TIKHALI DAM	Govt.	DARGAON	NUAPADA	KHARIAR	KARLAKOT	2996
SUNDAR DAM	Govt.	THONGO	NUAPADA	BODEN	THONGO	765
LI-KO DAM	Govt.	NUAPADA	NUAPADA	NUAPADA	NUAPADA	12
SAIPALA RESERVOIR	Govt.	SAIPALA	NUAPADA	SINAPALI	SAIPALA	250
MINI WATER DAM PROJECT	Govt.	DABARI	NUAPADA	KHARIAR	DABARI	16

c) Patta Lands/Khatedari Land:

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

d) M-Sand Plants:

PLANT NAME	OWNER	DISTRICT	TEHSIL	VILLAGE	GEO-LOCATION	QUANTITY TONNES/ANNUM

List of Potential Mining Leases (existing & proposed)

Rivers:

LEASE NO.	RIVER DETAILS	LEASE DETAILS	AREA (IN AC/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 INCU.M (SAND/ BAJRI/ RBM ETC.)	EXISTING/ PROPOSED
A1	JONK	BANKA SAND QUARRY,MOUZA-BANKA, KHATA NO-224 PLOT NO-398 & 37, KISSAM-NADI (82°29'31.45" 20°52'48.76", & 82°29'22.58" 20°52'35.67")	4.997	BR-3.3KM,PA-12KM	12	NO	10000	10000	EXISTING
A2	JONK	HALDI SAND QUARRY-3,MOUZA-HALDI, KHATA NO-175, PLOT NO-1 (82°28'08.02" 20°50'40.59", & 82°27'56.19" 20°50'34.11")	4.997	BR-7.4KM,PA-11.5KM	11.5	YES	3750	3750	EXISTING
A3	JONK	BHALESWAR SAND QUARRY,MOUZA-BHALESWAR, KHATA NO-402(AAA), PLOT NO-1, KISSAM-NADI (82°36'53.66" 21°03'47.27", & 82°37'06.25" 21°03'30.51")	5.000	BR-0.6KM,PA-28KM	28	NO	10000	10000	EXISTING
A4	JONK	SARABANG SAND QUARRY,MOUZA-SARABANG, KHATA NO-511(AAA), PLOT NO-464 & 541, KISSAM-NADI (82°26'52.23" 20°48'49.32", & 82°26'56.23" 20°49'03.26")	5.000	BR-0.2KM,PA-5KM	5	NO	10000	10000	EXISTING
A5	JONK	MONGRAPALI SAND QUARRY,MOUZA-MONGARAPALI, KHATA NO-187, PLOT NO-24, KISSAM-NADI (82°30'32.40" 20°55'16.22", & 82°30'28.06" 20°55'08.39")	3.541	BR-4.7KM,PA-16.5KM	16.5	NO	10000	10000	EXISTING
A6	JONK	PARSABHADAR SAND QUARRY,MOUZA-PARSABHADAR, KHATA NO-144(AAA), PLOT NO-1, KISSAM-NADI (82°32'49.17" 20°56'21.71", & 82°32'41.94" 20°56'10.27")	5.000	BR-4.6KM,PA-16KM	16	NO	10000	10000	EXISTING
A7	JONK	HALDI SAND QUARRY-2,MOUZA-HALDI, KHATA NO-175, PLOT NO-135 (82°28'21.02" 20°50'49.21", & 82°28'31.85" 20°50'59.23")	5.000	BR-5KM,PA-11KM	11	YES	6666	6666	EXISTING

A8	JONK	BHAINSMUNDI BHUSUDI SAND QUARRY,MOUZA-BHAINSMUNDI@BHUSUDI, KHATA NO-193 PLOT NO-855 & 1, KISSAM-NADI (82°33'44.58" 21°57'05.27",& 82°33'40.23" 21°56'52.12")	4.977	BR-7KM,PA-17.5KM	17.5	NO	10000	10000	EXISTING
A9	JONK	CHINGRASARA SAND QUARRY,MOUZA-CHINGRASARA, KHATA NO-204(AAA) PLOT NO-1& 1021, KISSAM-NADI (82°34'46.7" 20°58'41.4",& 82°34'31.5" 20°58'28.6")	5.000	BR-10KM,PA-20KM	20	NO	5500	5500	EXISTING
A10	JONK	MANDIRPADA SAND QUARRY,MOUZA-MANDIRPADA, KHATA NO-380 AAA, PLOT NO-1, 135 (82°29'54.71" 20°54'56.79",& 82°29'38.76" 20°54'46.72")	5.000	BR-0.8KM,PA-15KM	15	NO	Non-Operational	Non-Operational	EXISTING
A11	JONK	HALDI SAND QUARRY-1 MOUZA-HALDI, KHATA NO-175 AAA, PLOT NO-117 & 135 (82°28'11.08" 20°50'42.86",& 82°28'19.47" 20°50'54.61")	5.673	BR-4.6KM,PA-9KM	9	YES	Non-Operational	Non-Operational	EXISTING
A12	JONK	KOLDA SAND QUARRY,MOUZA-KOLDA, KHATA NO-223 AAA, PLOT NO-01 (82°29'20.86" 20°52'24.16",& 82°29'09.19" 20°52'12.75")	5.000	BR-4KM,PA-12KM	12	NO	Non-Operational	Non-Operational	EXISTING
A13	Jonk	Beheradihi Sand Quarry,Mouza-Beheradihi, Khata No-190 AAA, Plot No-267 LAT- 20°55'59.73"N to 20°56'7.90"N LONG- 82°31'58.90"E to 82°32'10.72"E	5.060	BR-3.5Km,PA-16Km	16	No	Non-Operational	Non-Operational	EXISTING
A14	Jonk	Mouza-Dumerdih, Khata No-164, Plot No-1,22,71,Kissam-Nadi LAT- 20°55'05.09"N to 20°55'16.05"N LONG- 82°30'57.07"E to 82°31'16.09"E	5.000	BR-1.3Km,PA-15Km	15	No	Non-Operational	Non-Operational	EXISTING
A15	Jonk	Mouza-Kurumunda, Khata No-113, Plot No-03,Kissam-Nadi LAT- 20°54'30.09"N to 20°54'41.62"N LONG- 82°29'16.31"E to 82°29'29.16"E	5.000	BR-0.3Km,PA-15Km	15	No	Non-Operational	Non-Operational	EXISTING
B1	INDRA	TENGANABASA-II SAND QUARRY,MOUZA-TENGANABASA, KHATA NO-116, PLOT NO-233, 275 & 279, LAT-20°31'08.06" TO 20°31'45.02"N,& LONG-82°39'41.22" 82°39'57.33"	5.000	BR-2KM,PA-11.5KM	11.5	NO	2000	2000	EXISTING

C1	SUNDAR	BICHHNAPALI-I SAND QUARRY, MOUZA-BICHHNAPALI, KHATA NO-153(AAA), PLOT NO-627, KISSAM-NADI (82°45'19.19" 20°14'37.58", & 82°45'33.31" 20°14'25.11")	5.000	BR-INSIDE LEASE AREA, PA-21KM	21	NO	3500	3500	EXISTING
C2	SUNDAR	TORLI SAND QUARRY, MOUZA-TORLI, KHATA NO-173(AAA), PLOT NO-1 & 545, KISSAM-NADI (82°44'28.42" 20°15'13.60", & 82°44'40.36" 20°14'50.43")	13.24	BR-2KM, PA-19KM	19	NO	1500	1500	EXISTING
C3	SUNDAR	KHUDPEJ SAND QUARRY, MOUZA-KHUDPEJ, KHATA NO-284(AAA), PLOT NO-1006, KISSAM-NADI (82°41'03.32" 20°18'19.75", & 82°41'04.00" 20°18'08.54")	4.937	BR-0.5KM, PA-13KM	13	NO	4000	4000	EXISTING
C4	SUNDAR	KUSHMAL SAND QUARRY, MOUZA-KUSHMAL, KHATA NO-250(AAA), PLOT NO-1245 & 1569, KISSAM-NADI (82°42'50.71" 20°17'12.66", & 82°42'57.04" 20°16'53.97")	4.937	BR-INSIDE LEASE AREA, PA-16KM	16	NO	3500	3500	EXISTING
C5	SUNDAR	KIKIRIBEDA SAND QUARRY, MOUZA-KIKIRIBEDA, KHATA NO-76(AAA), PLOT NO-191(A) & 191(B), KISSAM-NADI (82°41'44.10" 20°17'23.77", & 82°41'19.94" 20°17'38.14")	4.977	BR-2.5KM, PA-14KM	14	NO	1500	1500	EXISTING
C6	SUNDAR	CHANDGIRI SAND QUARRY, MOUZA-CHANDGIRI, KHATA NO-159 AAA, PLOT NO-1(P) LAT-19°14'54.11"N TO 19°15'08.44"N, & LONG-82°28'17.62"E TO 82°28'21.68"E	4.957	BR-2.2KM, PA-27KM	27	NO	Non-Operational	Non-Operational	EXISTING
C7	SUNDAR	BICHHANAPALI-II SAND QUARRY, MOUZA-BICHHANAPALI, KHATA NO-153 AAA, PLOT NO-670 LAT-20°14'46.43"N TO 20°15'03.10"N, & LONG-82°46'02.15"E TO 82°46'18.03"E	4.957	BR-6.5KM, PA-22KM	22	NO	Non-Operational	Non-Operational	EXISTING
C8	SUNDAR	AREDA SAND QUARRY, MOUZA-AREDA, KHATA NO-150 AAA, PLOT NO-855, LAT-20°19'23.37"N TO 20°19'45.72"N, & LONG-82°49'10.63"E TO 82°49'23.07"E	4.937	BR-1.3KM, PA-27KM	27	NO	Non-Operational	Non-Operational	EXISTING

C9	SUNDAR	MAHURA SAND QUARRY,MOUZA-MAHURA, KHATA-187, PLOT- 1/1147, KISSAM-NADI,PLOT-1(LAT-20.322, LONG-82.834)PLOT-1147(LAT-20.32, LONG-82.836)	4.977	BR-0.16KM,PA-28KM	28	NO	PROPOSED	PROPOSED	PROPOSED
C10	SUNDAR	CHANATMALA SAND QUARRY,MOUZA- CHANATAMAL, KHATA-166, PLOT-587, KISSAM-NADI,LAT-20.301, LONG-82.842)	4.937	BR-2.5KM,PA-29KM	29	NO	PROPOSED	PROPOSED	PROPOSED
D1	UDANTI	GADRAMAL SAND QUARRY,MOUZA-GADRAMAL & KHALANA, KHATA NO-239(AAA) & 240, PLOT NO-720 & 1 (82°36'26.25" 20°05'51.60" & 82°36'31.71" 20°05'41.18")	4.047	BR-2.3KM,PA-7.2KM	7.2	NO	5945	5945	EXISTING
D2	UDANTI	BARGAON SAND QUARRY,MOUZA-BARGAON, KHATA NO-757(AAA), PLOT NO-3255 & 4245 (82°40'12.21" 20°06'49.12" & 82°40'27.43" 20°06'48.43")	4.047	BR-0.33KM,PA-15KM	15	NO	6000	6000	EXISTING
D3	UDANTI	KOPIA SAND QUARRY,MOUZA-KOPIA & HATHIBANDHA, KHATA NO-326(AAA) & 816(AAA), PLOT NO-1969 & 1 (82°43'45.97" 20°06'32.86" & 82°43'59.91" 20°06'33.59")	4.856	BR-INSIDE LEASE AREA,PA-20KM	20	NO	3780	3780	EXISTING
D4	UDANTI	GIDHMAL SAND QUARRY,MOUZA-GIDHMAL, KHATA NO-144, PLOT NO-15/1400 (82°45'27.71" 20°06'08.92" & 82°45'34.96" 20°05'55.98")	4.653	BR-3KM,PA-26KM	26	NO	5000	5000	EXISTING
D5	UDANTI	SINAPALI SAND QUARRY, MOUZA-SINAPALI, KHATA NO-782, PLOT NO-1 (82°38'23.07" 20°06'22.14" & 82°38'31.74" 20°06'13.87")	4.856	BR-1.5KM,PA-12KM	12	NO	6000	6000	EXISTING
D6	UDANTI	PALSAPADA SAND QUARRY, MOUZA-PALSAPADA & CHATIAGUDA, KHATA NO-191 & 474, PLOT NO-1 & 2196/2253 (82°37'28.82" 20°05'49.17", & 82°37'25.40" 20°05'36.55")	4.856	BR-0.6KM,PA-9KM	9	NO	6160	6160	EXISTING
D7	UDANTI	CHHATIAGUDA SAND QUARRY,MOUZA-CHHATIAGUDA, KHATA NO-474 AAA, PLOT NO-2115, LAT-20°06'04.10"N TO 20°06'10.09"N, & LONG-82°37'41.08"E 82°37'48.05" E	4.653	BR-0.4KM,PA-12.5KM	12.5	NO	Non-Operational	Non-Operational	EXISTING

D8	UDANTI	NILJEE SAND QUARRY,MOUZA-NILJEE, KHATA NO-474(AAA), PLOT NO-1294,LAT-20°05'50.93"N TO 20°25'58.09"N,& LONG-82°34'53.93"E 82°35'09.74" E	4.775	BR-5KM,PA-5KM	5	NO	Non-Operational	Non-Operational	EXISTING
D9	UDANTI	LIAD SAND QUARRY,MOUZA-LIAD, KHATA NO-326 AAA, PLOT NO-2269,LAT-20.103,& LONG-82.791	1.618	BR-4KM,PA-25.5KM	25.5	NO	Non-Operational	Non-Operational	EXISTING
D10	UDANTI	GORLA SAND QUARRY,MOUZA-GORLA, KHATA NO-275, PLOT NO-811, 1182, (PLOT NO-811LAT-20.109,& LONG-82.532),(PLOT NO-1182,LAT-20.108,& LONG-82.539)	4.817	BR-9.5KM,PA-2.6KM	2.6	NO	NIL	NIL	EXISTING
D11	UDANTI	CHALNA SAND QUARRY,MOUZA-CHALNA, KHATA NO-290(AAA), PLOT NO-01,LAT-20°06'20.67"N TO 20°06'27.91"N,& LONG-82°42'52.76"E 82°43'04.50" E	4.870	BR-2KM,PA-19KM	19	NO	Non-Operational	Non-Operational	EXISTING
D12	UDANTI	SAGUNBHADI SAND QUARRY,MOUZA-SAGUNBHADI, KHATA NO-184, PLOT NO-888,LAT-20006'19.76"N TO 20006'28.96"N,& LONG-82037'55.59"E TO 82038'07.74"E	5.266	BR-0.9KM,PA-12.6KM	12.6	NO	Non-Operational	Non-Operational	EXISTING
D13	UDANTI	GANDABHALI SAND QUARRY,MOUZA-GANDABHALI, NANDAGAON, KHATA NO-290(AAA) & 143(AAA), PLOT NO-1796 & 17,LAT-20°07'29.10"N TO 20°07'39.28"N,& LONG-82°41'51.96"E 82°42'01.74" E	4.856	BR-3.5KM,PA-15.5KM	15.5	NO	Non-Operational	Non-Operational	EXISTING

Cluster & Contiguous Cluster details

Clusters:

Cluster No.	Lease No	Location (Patta Land)	Village	Area (in Ha)	Total Excavation (Cum)	Total Mineral Excavation (Cum)
1	A2	Haldi Sand Quarry-3,Mouza-Haldi, Khata No-175, Plot No-1 (82°28'08.02" 20°50'40.59", & 82°27'56.19" 20°50'34.11")	Haldi	4.997	3750	3750
	A7	Haldi Sand Quarry-2,Mouza-Haldi, Khata No-175, Plot No-135 (82°28'21.02" 20°50'49.21", & 82°28'31.85" 20°50'59.23")	Haldi	5.000	6666	6666
	A11	Haldi Sand Quarry-1 Mouza-Haldi, Khata No-175 AAA, Plot No-117 & 135 (82°28'11.08" 20°50'42.86", & 82°28'19.47" 20°50'54.61")	Haldi	5.673	Non-Operational	Non-Operational
2	A1	Mouza-Banka, Khata No-224 Plot No-398 & 37, Kissam-Nadi (82°29'31.45" 20°52'48.76", & 82°29'22.58" 20°52'35.67")	Banka	4.997	10000	10000
	A12	Mouza-Kolda, Khata No-223 AAA, Plot No-01 LAT-20°52'11.18"N to 20°52'25.99"N LONG-82°29'9.19"E to 82°29'20.86"E	Kolda	5.000	Non-Working	Non-Working

Contiguous Clusters:

River Name	Contiguous Cluster No.	Cluster No	Number of leases in the cluster	Location (Riverbed/ Patta Land)	Distance between clusters	Village	Area of Cluster (Ha)	Total Mineral Excavation. (Ton)
NA	NA	NA	NA	NA	NA	NA	NA	NA

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	Banka Sand Quarry,Mouza-Banka, Khata No-224 Plot No-398 & 37, Kissam-Nadi (82°29'31.45" 20°52'48.76",& 82°29'22.58" 20°52'35.67")	2	26	2.5	Black Topped	Black Topped	Govt	Mouza-Banka,NH353-2.5KM,BR-3.3Km,PA-12Km
A2	Haldi Sand Quarry-3,Mouza-Haldi, Khata No-175, Plot No-1 (82°28'08.02" 20°50'40.59",& 82°27'56.19" 20°50'34.11")	1		6.5	Black Topped	Black Topped	Govt	Mouza-Haldi,NH353-6.5KM,BR-7.4Km,PA-11.5Km
A3	Bhaleswar Sand Quarry,Mouza-Bhaleswar, Khata No-402(AAA), Plot No-1, Kissam-Nadi (82°36'53.66" 21°03'47.27",& 82°37'06.25" 21°03'30.51")	2		20	Black Topped	Black Topped	Govt	Mouza-Bhaleswar,NH353-20KM,BR-0.6Km,PA-28Km
A4	Sarabang Sand Quarry,Mouza-Sarabang, Khata No-511(AAA), Plot No-464 & 541, Kissam-Nadi (82°26'52.23" 20°48'49.32",& 82°26'56.23" 20°49'03.26")	2		12	Black Topped	Black Topped	Govt	Mouza-Sarabang,NH353-12KM,BR-0.2Km,PA-5Km
A5	Mongrapali Sand Quarry,Mouza-Mongrapali, Khata No-187, Plot No-24, Kissam-Nadi (82°30'32.40" 20°55'16.22",& 82°30'28.06" 20°55'08.39")	2		4.5	Black Topped	Black Topped	Govt	Mouza-Mongrapali,NH353-4.5KM,BR-4.7Km,PA-16.5Km
A6	Parsabhadar Sand Quarry,Mouza-Parsabhadar, Khata No-144(AAA), Plot No-1, Kissam-Nadi (82°32'49.17" 20°56'21.71",& 82°32'41.94" 20°56'10.27")	2		7	Black Topped	Black Topped	Govt	Mouza-Parsabhadar,NH353-7KM,BR-4.6Km,PA-16Km

A7	Haldi Sand Quarry-2,Mouza-Haldi, Khata No-175, Plot No-135 (82°28'21.02" 20°50'49.21", & 82°28'31.85" 20°50'59.23")	NH353	1		6	Black Topped	Black Topped	Govt	Mouza-Haldi,NH353-6KM,BR-5Km,PA-11Km
A8	Bhainsmundi Bhusudi Sand Quarry,Mouza-Bhainsmundi@Bhusudi, Khata No-193 Plot No-855 & 1, Kissam-Nadi (82°33'44.58" 21°57'05.27", & 82°33'40.23" 21°56'52.12")	NH353	2		9	Black Topped	Black Topped	Govt	Mouza-Bhainsmundi @ Bhusudi, NH353-9KM,BR-7Km,PA-17.5Km
A9	Chingrasara Sand Quarry,Mouza-Chingrasara, Khata No-204(AAA) Plot No-1 & 1021, Kissam-Nadi (82°34'46.7" 20°58'41.4", & 82°34'31.5" 20°58'28.6")	NH353	1		10	Black Topped	Black Topped	Govt	Mouza-Chingrasara,NH353-10KM ,BR-10Km,PA-20Km
A10	Mandirpada Sand Quarry,Mouza-Mandirpada, Khata No-380 AAA, Plot No-1, 135 (82°29'54.71" 20°54'56.79", & 82°29'38.76" 20°54'46.72")	NH353	1		2.5	Black Topped	Black Topped	Govt	Mouza-Mandirpada,NH353-2.5KM ,BR-0.8Km,PA-15Km
A11	Haldi Sand Quarry-1 Mouza-Haldi, Khata No-175 AAA, Plot No-117 & 135 (82°28'11.08" 20°50'42.86", & 82°28'19.47" 20°50'54.61")	NH353	1		6.5	Black Topped	Black Topped	Govt	Mouza-Haldi,NH353-6.5KMBR-4.6Km,PA-9Km
A12	Kolda Sand Quarry,Mouza-Kolda, Khata No-223 AAA, Plot No-01 (82°29'20.86" 20°52'24.16", & 82°29'09.19" 20°52'12.75")	NH353	1		3	Black Topped	Black Topped	Govt	Mouza-Kolda,NH353-3KM,BR-4Km,PA-12Km
A13	Beheradihi Sand Quarry,Mouza-Bheradihi, Khata No-190 AAA, Plot No-267 LAT- 20°55'59.73"N' to 20°56'7.90"N LONG- 82°31'58.90"E to 82°32'10.72"E	NH353	1		4	Black Topped	Black Topped	Govt	Mouza-Bheradihi,NH353-4KM,BR-3.5Km,PA-16Km
A14	Mouza-Dumerdihi, Khata No-164, Plot No-1,22.71,Kissam-Nadi LAT- 20°55'05.09"N' to 20°55'16.05"N LONG- 82°30'57.07"E to 82°31'16.09"E	NH353	1		2	Black Topped	Black Topped	Govt	Mouza-Dumerdihi,BR-1.3Km,PA-15Km

A15	Mouza-Kurumunda, Khata No-113, Plot No-03, Kissam-Nadi LAT- 20°54'30.09"N to 20°54'41.62"N LONG- 82°29'16.31"E to 82°29'29.16"E	NH353	1		3.5	Black Topped	Black Topped	Govt	Mouza-Kurumunda, BR-0.3Km, PA-1.5Km
B1	Tenganabasa-II Sand Quarry, Mouza-Tenganabasa, Khata No-116, Plot No-233, 275 & 279, LAT-20°31'08.06" to 20°31'45.02"N, & LONG- 82°39'41.22" 82°39'57.33"	NH353	1			Black Topped	Black Topped	Govt	Mouza-Tenganabasa,
C1	Bichhnepali-I Sand Quarry, Mouza-Bichhnepali, Khata No-153(AAA), Plot No-627, Kissam-Nadi (82°45'19.19" 20°14'37.58", & 82°45'33.31" 20°14'25.11")	NH353	1		7	Black Topped	Black Topped	Govt	Mouza-Bichhnepali, NH353-7KM
C2	Torli Sand Quarry, Mouza-Torli, Khata No-173(AAA), Plot No-1 & 545, Kissam-Nadi (82°44'28.42" 20°15'13.60", & 82°44'40.36" 20°14'50.43")	NH353	1		8	Black Topped	Black Topped	Govt	Mouza-Torli, NH353-8KM, BR-2Km, PA-19Km
C3	Khudpej Sand Quarry, Mouza-Khudpej, Khata No-284(AAA), Plot No-1006, Kissam-Nadi (82°41'03.32" 20°18'19.75", & 82°41'04.00" 20°18'08.54")	NH353	1		7.5	Black Topped	Black Topped	Govt	Mouza-Khudpej, NH353-7.5KM, BR-0.5Km, PA-13Km
C4	Kushmal Sand Quarry, Mouza-Kushmal, Khata No-250(AAA), Plot No-1245 & 1569, Kissam-Nadi (82°42'50.71" 20°17'12.66", & 82°42'57.04" 20°16'53.97")	NH353	1		6	Black Topped	Black Topped	Govt	Mouza-Kushmal, NH353-6KM
C5	Kikiribeda Sand Quarry, Mouza-Kikiribeda, Khata No-76(AAA), Plot No-191(A) & 191(B), Kissam-Nadi (82°41'44.10" 20°17'23.77", & 82°41'19.94" 20°17'38.14")	NH353	1		7	Black Topped	Black Topped	Govt	Mouza-Kikiribeda, NH353-7KM, BR-2.5Km, PA-14Km
C6	Chandgiri Sand Quarry, Mouza-Chandgiri, Khata No-159 AAA, Plot No-1(P) LAT-19°14'54.11"N to 19°15'08.44"N, & LONG- 82°28'17.62"E to 82°28'21.68"E	SH16	1	1	1	Black Topped	Black Topped	Govt	Mouza-Chandgiri, SH16-1KM

C7	Bichhanapali-II Sand Quarry, Mouza-Bichhanapali , Khata No-153 AAA, Plot No-670 LAT-20°14'46.43"N to 20°15'03.10"N, & LONG-82°46'02.15"E to 82°46'18.03"E	NH353	1	1	6.5	Black Topped	Black Topped	Govt	Mouza-Bichhanapali,NH353-6.5KM,BR-6.5Km,PA-22Km
C8	Areda Sand Quarry,Mouza-Areda, Khata No-150 AAA, Plot No-855,LAT-20°19'23.37"N to 20°19'45.72"N, & LONG-82°49'10.63"E 82°49'23.07" E	NH59	1	10	1.5	Black Topped	Black Topped	Govt	Mouza-Areda,NH59-1.5KM,BR-1.3Km,PA-27Km
C9	Mahura Sand Quarry,Mouza-Mahura, Khata-187, Plot-1/1147, Kissam-Nadi,PLOT-1(LAT-20.322, LONG-82.834)PLOT-1147(LAT-20.32, LONG-82.836)	NH59	1		18.7	Black Topped	Black Topped	Govt	Mouza-Mahura,NH59-18.7KM,BR-0.16Km,PA-28Km
C10	Chanatmala Sand Quarry,Mouza- Chanatamal, Khata-166, Plot-587, Kissam-Nadi,LAT-20.301, LONG-82.842)	NH59	1		4.5	Black Topped	Black Topped	Govt	Mouza-Chanatamal,NH59-4.5KM ,BR-2.5Km,PA-29Km
D1	Gadramal Sand Quarry,Mouza-Gadramal & Khalana, Khata No-239(AAA) & 240, Plot No-720 & 1 (82°36'26.25" 20°05'51.60" & 82°36'31.71" 20°05'41.18")	NH59	1		1	Black Topped	Black Topped	Govt	Mouza-Gadramal & Khalana, NH59-1KM,BR-2.3Km,PA-7.2Km
D2	Bargaon Sand Quarry,Mouza-Bargaon, Khata No-757(AAA), Plot No-3255 & 4245 (82°40'12.21" 20°06'49.12" & 82°40'27.43" 20°06'48.43")	NH59	1		24	Black Topped	Black Topped	Govt	Mouza-Bargaon,NH59-24KM,BR-0.33Km,PA-15Km
D3	Kopia Sand Quarry,Mouza-Kopia & Hathibandha, Khata No-326(AAA) & 816(AAA), Plot No-1969 & 1 (82°43'45.97" 20°06'32.86" & 82°43'59.91" 20°06'33.59")	NH59	1		22	Black Topped	Black Topped	Govt	Mouza-Kopia & Hathibandha,NH59-22KM
D4	Gidhmal Sand Quarry,Mouza-Gidhmal, Khata No-144, Plot No-15/1400 (82°45'27.71" 20°06'08.92" & 82°45'34.96" 20°05'55.98")	NH59	1		23	Black Topped	Black Topped	Govt	Mouza-Gidhmal,NH59-23KM,BR-3Km,PA-26Km

D5	Sinapali Sand Quarry, Mouza-Sinapali, Khata No-782, Plot No-1 (82°38'23.07" 20°06'22.14" & 82°38'31.74" 20°06'13.87")	NH59	1		25	Black Topped	Black Topped	Govt	Mouza-Sinapali,NH59-25KM,BR-1.5Km,PA-12Km
D6	Palsapada Sand Quarry, Mouza-Palsapada & Chatiaguda, Khata No-191 & 474, Plot No-1 & 2196/2253 (82°37'28.82" 20°05'49.17",& 82°37'25.40" 20°05'36.55")	NH59	1		27	Black Topped	Black Topped	Govt	Mouza-Palsapada & Chatiaguda,NH59-27KM,BR-0.6Km,PA-9Km
D7	Chhatiaguda Sand Quarry,Mouza-Chhatiaguda, Khata No-474 AAA, Plot No-2115,,LAT-20°06'04.10"N to 20°06'10.09"N,& LONG-82°37'41.08"E 82°37'48.05" E	NH59	1		26	Black Topped	Black Topped	Govt	Mouza-Chhatiaguda,NH59-26KM,BR-0.4Km,PA-12.5Km
D8	Niljee Sand Quarry,Mouza- Niljee, Khata No-474(AAA), Plot No-1294,LAT-20°05'50.93"N to 20°25'58.09"N,& LONG-82°34'53.93"E 82°35'09.74" E	NH353	1	1	29	Black Topped	Black Topped	Govt	Mouza-Niljee,NH353-29KM,BR-5Km,PA-5Km
D9	Liad Sand Quarry,Mouza-Liad, Khata No-326 AAA, Plot No-2269,LAT-20.103,& LONG-82.791	NH16	1	1	16	Black Topped	Black Topped	Govt	Mouza-Liad,NH16-16KM,BR-4Km,PA-25.5Km
D10	Gorla Sand Quarry,Mouza-Gorla, Khata No-275, Plot No-811, 1182, (Plot No-811LAT-20.109,& LONG-82.532),(Plot No-1182,LAT-20.108,& LONG-82.539)	NH353	1		32	Black Topped	Black Topped	Govt	Mouza-Gorla,NH353-32KM,BR-9.5Km,PA-2.6Km
D11	Chalna Sand Quarry,Mouza-Chalna, Khata No-290(AAA), Plot No-01,LAT-20°06'20.67"N to 20°06'27.91"N,& LONG-82°42'52.76"E 82°43'04.50" E	NH353	1		23	Black Topped	Black Topped	Govt	Mouza-Chalna,NH353-23KM,BR-2Km,PA-19Km
D12	Sagunbhadi Sand Quarry,Mouza-Sagunbhadi, Khata No-184, Plot No-888,LAT-20006'19.76"N to 20006'28.96"N,& LONG-82037'55.59"E to 82038'07.74"E	NH353	1		25	Black Topped	Black Topped	Govt	Mouza-Sagunbhadi,NH353-25KM,BR-0.9Km,PA-12.6Km
D13	Gandabahali Sand Quarry,Mouza-Gandabahali, Nandagaon, Khata No-290(AAA) & 143(AAA), Plot	NH353	1		21	Black Topped	Black Topped	Govt	Mouza-Gandabahali, Nandagaon, NH353-

No-1796 &17,LAT-20°07'29.10"N to 20°07'39.28"N,& LONG-82°41'51.96"E 82°42'01.74" E								21KM,BR-3.5Km,PA-15.5Km
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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	NH353	1	6	6.5	Black Topped	Black Topped	Govt	Mouza-Haldi,NH353-6.5KM,BR-7.4Km,PA-11.5Km
	NH353	1		6	Black Topped	Black Topped	Govt	Mouza-Haldi,NH353-6KM,BR-5Km,PA-11Km
	NH353	1		6.5	Black Topped	Black Topped	Govt	Mouza-Haldi,NH353-6.5KMBR-4.6Km,PA-9Km
2	NH353	2	6	2.5	Black Topped	Black Topped	Govt	Mouza-Banka,NH353-2.5KM,BR-3.3Km,PA-12Km
	NH353	1		3	Black Topped	Black Topped	Govt	Mouza-Kolda,NH353-3KM,BR-4Km,PA-12Km

Final List of Potential Mining Leases (existing & proposed)

Rivers:

LEASE NO.	RIVER DETAILS	LEASE DETAILS	AREA (IN AC/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 INCU.M (SAND/ BAJRI/ RBM ETC.)	EXISTING/ PROPOSED
A1	JONK	BANKA SAND QUARRY,MOUZA-BANKA, KHATA NO-224 PLOT NO-398 & 37, KISSAM-NADI (82°29'31.45" 20°52'48.76",& 82°29'22.58" 20°52'35.67")	4.997	BR-3.3KM,PA-12KM	12	NO	10000	10000	EXISTING
A2	JONK	HALDI SAND QUARRY-3,MOUZA-HALDI, KHATA NO-175, PLOT NO-1 (82°28'08.02" 20°50'40.59",& 82°27'56.19" 20°50'34.11")	4.997	BR-7.4KM,PA-11.5KM	11.5	YES	3750	3750	EXISTING
A3	JONK	BHALESWAR SAND QUARRY,MOUZA-BHALESWAR, KHATA NO-402(AAA), PLOT NO-1, KISSAM-NADI (82°36'53.66" 21°03'47.27", & 82°37'06.25" 21°03'30.51")	5.000	BR-0.6KM,PA-28KM	28	NO	10000	10000	EXISTING
A4	JONK	SARABANG SAND QUARRY,MOUZA-SARABANG, KHATA NO-511(AAA), PLOT NO-464 & 541, KISSAM-NADI (82°26'52.23" 20°48'49.32",& 82°26'56.23" 20°49'03.26")	5.000	BR-0.2KM,PA-5KM	5	NO	10000	10000	EXISTING
A5	JONK	MONGRAPALI SAND QUARRY,MOUZA-MONGARAPALI, KHATA NO-187, PLOT NO-24, KISSAM-NADI (82°30'32.40" 20°55'16.22", & 82°30'28.06" 20°55'08.39")	3.541	BR-4.7KM,PA-16.5KM	16.5	NO	10000	10000	EXISTING
A6	JONK	PARSABHADAR SAND QUARRY,MOUZA-PARSABHADAR, KHATA NO-144(AAA), PLOT NO-1, KISSAM-NADI (82°32'49.17" 20°56'21.71", & 82°32'41.94" 20°56'10.27")	5.000	BR-4.6KM,PA-16KM	16	NO	10000	10000	EXISTING
A7	JONK	HALDI SAND QUARRY-2,MOUZA-HALDI, KHATA NO-175, PLOT NO-135 (82°28'21.02" 20°50'49.21", & 82°28'31.85" 20°50'59.23")	5.000	BR-5KM,PA-11KM	11	YES	6666	6666	EXISTING

A8	JONK	BHAINSMUNDI BHUSUDI SAND QUARRY,MOUZA-BHAINSMUNDI@BHUSUDI, KHATA NO-193 PLOT NO-855 & 1, KISSAM-NADI (82°33'44.58" 21°57'05.27",& 82°33'40.23" 21°56'52.12")	4.977	BR-7KM,PA-17.5KM	17.5	NO	10000	10000	EXISTING
A9	JONK	CHINGRASARA SAND QUARRY,MOUZA-CHINGRASARA, KHATA NO-204(AAA) PLOT NO-1& 1021, KISSAM-NADI (82°34'46.7" 20°58'41.4",& 82°34'31.5" 20°58'28.6")	5.000	BR-10KM,PA-20KM	20	NO	5500	5500	EXISTING
A10	JONK	MANDIRPADA SAND QUARRY,MOUZA-MANDIRPADA, KHATA NO-380 AAA, PLOT NO-1, 135 (82°29'54.71" 20°54'56.79",& 82°29'38.76" 20°54'46.72")	5.000	BR-0.8KM,PA-15KM	15	NO	Non-Operational	Non-Operational	EXISTING
A11	JONK	HALDI SAND QUARRY-1 MOUZA-HALDI, KHATA NO-175 AAA, PLOT NO-117 & 135 (82°28'11.08" 20°50'42.86",& 82°28'19.47" 20°50'54.61")	5.673	BR-4.6KM,PA-9KM	9	YES	Non-Operational	Non-Operational	EXISTING
A12	JONK	KOLDA SAND QUARRY,MOUZA-KOLDA, KHATA NO-223 AAA, PLOT NO-01 (82°29'20.86" 20°52'24.16",& 82°29'09.19" 20°52'12.75")	5.000	BR-4KM,PA-12KM	12	NO	Non-Operational	Non-Operational	EXISTING
A13	Jonk	Beheradihi Sand Quarry,Mouza-Beheradihi, Khata No-190 AAA, Plot No-267 LAT- 20°55'59.73"N to 20°56'7.90"N LONG- 82°31'58.90"E to 82°32'10.72"E	5.060	BR-3.5Km,PA-16Km	16	No	Non-Operational	Non-Operational	EXISTING
A14	Jonk	Mouza-Dumerdih, Khata No-164, Plot No-1,22,71,Kissam-Nadi LAT- 20°55'05.09"N to 20°55'16.05"N LONG- 82°30'57.07"E to 82°31'16.09"E	5.000	BR-1.3Km,PA-15Km	15	No	Non-Operational	Non-Operational	EXISTING
A15	Jonk	Mouza-Kurumunda, Khata No-113, Plot No-03,Kissam-Nadi LAT- 20°54'30.09"N to 20°54'41.62"N LONG- 82°29'16.31"E to 82°29'29.16"E	5.000	BR-0.3Km,PA-15Km	15	No	Non-Operational	Non-Operational	EXISTING
B1	INDRA	TENGANABASA-II SAND QUARRY,MOUZA-TENGANABASA, KHATA NO-116, PLOT NO-233, 275 & 279, LAT-20°31'08.06" TO 20°31'45.02"N,& LONG-82°39'41.22" 82°39'57.33"	5.000	BR-2KM,PA-11.5KM	11.5	NO	2000	2000	EXISTING

C1	SUNDAR	BICHHNAPALI-I SAND QUARRY, MOUZA-BICHHNAPALI, KHATA NO-153(AAA), PLOT NO-627, KISSAM-NADI (82°45'19.19" 20°14'37.58", & 82°45'33.31" 20°14'25.11")	5.000	BR-INSIDE LEASE AREA, PA-21KM	21	NO	3500	3500	EXISTING
C2	SUNDAR	TORLI SAND QUARRY, MOUZA-TORLI, KHATA NO-173(AAA), PLOT NO-1 & 545, KISSAM-NADI (82°44'28.42" 20°15'13.60", & 82°44'40.36" 20°14'50.43")	13.24	BR-2KM, PA-19KM	19	NO	1500	1500	EXISTING
C3	SUNDAR	KHUDPEJ SAND QUARRY, MOUZA-KHUDPEJ, KHATA NO-284(AAA), PLOT NO-1006, KISSAM-NADI (82°41'03.32" 20°18'19.75", & 82°41'04.00" 20°18'08.54")	4.937	BR-0.5KM, PA-13KM	13	NO	4000	4000	EXISTING
C4	SUNDAR	KUSHMAL SAND QUARRY, MOUZA-KUSHMAL, KHATA NO-250(AAA), PLOT NO-1245 & 1569, KISSAM-NADI (82°42'50.71" 20°17'12.66", & 82°42'57.04" 20°16'53.97")	4.937	BR-INSIDE LEASE AREA, PA-16KM	16	NO	3500	3500	EXISTING
C5	SUNDAR	KIKIRIBEDA SAND QUARRY, MOUZA-KIKIRIBEDA, KHATA NO-76(AAA), PLOT NO-191(A) & 191(B), KISSAM-NADI (82°41'44.10" 20°17'23.77", & 82°41'19.94" 20°17'38.14")	4.977	BR-2.5KM, PA-14KM	14	NO	1500	1500	EXISTING
C6	SUNDAR	CHANDGIRI SAND QUARRY, MOUZA-CHANDGIRI, KHATA NO-159 AAA, PLOT NO-1(P) LAT-19°14'54.11"N TO 19°15'08.44"N, & LONG-82°28'17.62"E TO 82°28'21.68"E	4.957	BR-2.2KM, PA-27KM	27	NO	Non-Operational	Non-Operational	EXISTING
C7	SUNDAR	BICHHANAPALI-II SAND QUARRY, MOUZA-BICHHANAPALI, KHATA NO-153 AAA, PLOT NO-670 LAT-20°14'46.43"N TO 20°15'03.10"N, & LONG-82°46'02.15"E TO 82°46'18.03"E	4.957	BR-6.5KM, PA-22KM	22	NO	Non-Operational	Non-Operational	EXISTING
C8	SUNDAR	AREDA SAND QUARRY, MOUZA-AREDA, KHATA NO-150 AAA, PLOT NO-855, LAT-20°19'23.37"N TO 20°19'45.72"N, & LONG-82°49'10.63"E TO 82°49'23.07"E	4.937	BR-1.3KM, PA-27KM	27	NO	Non-Operational	Non-Operational	EXISTING

C9	SUNDAR	MAHURA SAND QUARRY,MOUZA-MAHURA, KHATA-187, PLOT- 1/1147, KISSAM-NADI,PLOT-1(LAT-20.322, LONG-82.834)PLOT-1147(LAT-20.32, LONG-82.836)	4.977	BR-0.16KM,PA-28KM	28	NO	PROPOSED	PROPOSED	PROPOSED
C10	SUNDAR	CHANATMALA SAND QUARRY,MOUZA- CHANATAMAL, KHATA-166, PLOT-587, KISSAM-NADI,LAT-20.301, LONG-82.842)	4.937	BR-2.5KM,PA-29KM	29	NO	PROPOSED	PROPOSED	PROPOSED
D1	UDANTI	GADRAMAL SAND QUARRY,MOUZA-GADRAMAL & KHALANA, KHATA NO-239(AAA) & 240, PLOT NO-720 & 1 (82°36'26.25" 20°05'51.60" & 82°36'31.71" 20°05'41.18")	4.047	BR-2.3KM,PA-7.2KM	7.2	NO	5945	5945	EXISTING
D2	UDANTI	BARGAON SAND QUARRY,MOUZA-BARGAON, KHATA NO-757(AAA), PLOT NO-3255 & 4245 (82°40'12.21" 20°06'49.12" & 82°40'27.43" 20°06'48.43")	4.047	BR-0.33KM,PA-15KM	15	NO	6000	6000	EXISTING
D3	UDANTI	KOPIA SAND QUARRY,MOUZA-KOPIA & HATHIBANDHA, KHATA NO-326(AAA) & 816(AAA), PLOT NO-1969 & 1 (82°43'45.97" 20°06'32.86" & 82°43'59.91" 20°06'33.59")	4.856	BR-INSIDE LEASE AREA,PA-20KM	20	NO	3780	3780	EXISTING
D4	UDANTI	GIDHMAL SAND QUARRY,MOUZA-GIDHMAL, KHATA NO-144, PLOT NO-15/1400 (82°45'27.71" 20°06'08.92" & 82°45'34.96" 20°05'55.98")	4.653	BR-3KM,PA-26KM	26	NO	5000	5000	EXISTING
D5	UDANTI	SINAPALI SAND QUARRY, MOUZA-SINAPALI, KHATA NO-782, PLOT NO-1 (82°38'23.07" 20°06'22.14" & 82°38'31.74" 20°06'13.87")	4.856	BR-1.5KM,PA-12KM	12	NO	6000	6000	EXISTING
D6	UDANTI	PALSAPADA SAND QUARRY, MOUZA-PALSAPADA & CHATIAGUDA, KHATA NO-191 & 474, PLOT NO-1 & 2196/2253 (82°37'28.82" 20°05'49.17", & 82°37'25.40" 20°05'36.55")	4.856	BR-0.6KM,PA-9KM	9	NO	6160	6160	EXISTING
D7	UDANTI	CHHATIAGUDA SAND QUARRY,MOUZA-CHHATIAGUDA, KHATA NO-474 AAA, PLOT NO-2115,,LAT-20°06'04.10"N TO 20°06'10.09"N, & LONG-82°37'41.08"E 82°37'48.05" E	4.653	BR-0.4KM,PA-12.5KM	12.5	NO	Non-Operational	Non-Operational	EXISTING

D8	UDANTI	NILJEE SAND QUARRY,MOUZA-NILJEE, KHATA NO-474(AAA), PLOT NO-1294,LAT-20°05'50.93"N TO 20°25'58.09"N,& LONG-82°34'53.93"E 82°35'09.74" E	4.775	BR-5KM,PA-5KM	5	NO	Non-Operational	Non-Operational	EXISTING
D9	UDANTI	LIAD SAND QUARRY,MOUZA-LIAD, KHATA NO-326 AAA, PLOT NO-2269,LAT-20.103,& LONG-82.791	1.618	BR-4KM,PA-25.5KM	25.5	NO	Non-Operational	Non-Operational	EXISTING
D10	UDANTI	GORLA SAND QUARRY,MOUZA-GORLA, KHATA NO-275, PLOT NO-811, 1182, (PLOT NO-811LAT-20.109,& LONG-82.532),(PLOT NO-1182,LAT-20.108,& LONG-82.539)	4.817	BR-9.5KM,PA-2.6KM	2.6	NO	NIL	NIL	EXISTING
D11	UDANTI	CHALNA SAND QUARRY,MOUZA-CHALNA, KHATA NO-290(AAA), PLOT NO-01,LAT-20°06'20.67"N TO 20°06'27.91"N,& LONG-82°42'52.76"E 82°43'04.50" E	4.870	BR-2KM,PA-19KM	19	NO	Non-Operational	Non-Operational	EXISTING
D12	UDANTI	SAGUNBHADI SAND QUARRY,MOUZA-SAGUNBHADI, KHATA NO-184, PLOT NO-888,LAT-20006'19.76"N TO 20006'28.96"N,& LONG-82037'55.59"E TO 82038'07.74"E	5.266	BR-0.9KM,PA-12.6KM	12.6	NO	Non-Operational	Non-Operational	EXISTING
D13	UDANTI	GANDABHALI SAND QUARRY,MOUZA-GANDABHALI, NANDAGAON, KHATA NO-290(AAA) & 143(AAA), PLOT NO-1796 & 17,LAT-20°07'29.10"N TO 20°07'39.28"N,& LONG-82°41'51.96"E 82°42'01.74" E	4.856	BR-3.5KM,PA-15.5KM	15.5	NO	Non-Operational	Non-Operational	EXISTING

Final Cluster & Contiguous Cluster details

Clusters:

Cluster No.	Lease No	Location (Patta Land)	Village	Area (in Ha)	Total Excavation (Cum)	Total Mineral Excavation (Cum)
1	A2	Haldi Sand Quarry-3,Mouza-Haldi, Khata No-175, Plot No-1 (82°28'08.02" 20°50'40.59", & 82°27'56.19" 20°50'34.11")	Haldi	4.997	3750	3750
	A7	Haldi Sand Quarry-2,Mouza-Haldi, Khata No-175, Plot No-135 (82°28'21.02" 20°50'49.21", & 82°28'31.85" 20°50'59.23")	Haldi	5.000	6666	6666
	A11	Haldi Sand Quarry-1 Mouza-Haldi, Khata No-175 AAA, Plot No-117 & 135 (82°28'11.08" 20°50'42.86", & 82°28'19.47" 20°50'54.61")	Haldi	5.673	Non-Operational	Non-Operational
2	A1	Mouza-Banka, Khata No-224 Plot No-398 & 37, Kissam-Nadi (82°29'31.45" 20°52'48.76", & 82°29'22.58" 20°52'35.67")	Banka	4.997	10000	10000
	A12	Mouza-Kolda, Khata No-223 AAA, Plot No-01 LAT-20°52'11.18"N to 20°52'25.99"N LONG-82°29'9.19"E to 82°29'20.86"E	Kolda	5.000	Non-Working	Non-Working

Contiguous Clusters:

River Name	Contiguous Cluster No.	Cluster No	Number of leases in the cluster	Location (Riverbed/ Patta Land)	Distance between clusters	Village	Area of Cluster (Ha)	Total Mineral Excavation. (Ton)
NA	NA	NA	NA	NA	NA	NA	NA	NA

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	Banka Sand Quarry, Mouza-Banka, Khata No-224 Plot No-398 & 37, Kissam-Nadi (82°29'31.45" 20°52'48.76", & 82°29'22.58" 20°52'35.67")	2	26	2.5	Black Topped	Black Topped	Govt	Mouza-Banka, NH353-2.5KM, BR-3.3Km, PA-12Km
A2	Haldi Sand Quarry-3, Mouza-Haldi, Khata No-175, Plot No-1 (82°28'08.02" 20°50'40.59", & 82°27'56.19" 20°50'34.11")	1		6.5	Black Topped	Black Topped	Govt	Mouza-Haldi, NH353-6.5KM, BR-7.4Km, PA-11.5Km
A3	Bhaleswar Sand Quarry, Mouza-Bhaleswar, Khata No-402(AAA), Plot No-1, Kissam-Nadi (82°36'53.66" 21°03'47.27", & 82°37'06.25" 21°03'30.51")	2		20	Black Topped	Black Topped	Govt	Mouza-Bhaleswar, NH353-20KM, BR-0.6Km, PA-28Km
A4	Sarabang Sand Quarry, Mouza-Sarabang, Khata No-511(AAA), Plot No-464 & 541, Kissam-Nadi (82°26'52.23" 20°48'49.32", & 82°26'56.23" 20°49'03.26")	2		12	Black Topped	Black Topped	Govt	Mouza-Sarabang, NH353-12KM, BR-0.2Km, PA-5Km
A5	Mongrapali Sand Quarry, Mouza-Mongrapali, Khata No-187, Plot No-24, Kissam-Nadi (82°30'32.40" 20°55'16.22", & 82°30'28.06" 20°55'08.39")	2		4.5	Black Topped	Black Topped	Govt	Mouza-Mongrapali, NH353-4.5KM, BR-4.7Km, PA-16.5Km
A6	Parsabhadar Sand Quarry, Mouza-Parsabhadar, Khata No-144(AAA), Plot No-1, Kissam-Nadi (82°32'49.17" 20°56'21.71", & 82°32'41.94" 20°56'10.27")	2		7	Black Topped	Black Topped	Govt	Mouza-Parsabhadar, NH353-7KM, BR-4.6Km, PA-16Km
A7	Haldi Sand Quarry-2, Mouza-Haldi, Khata No-175, Plot No-135 (82°28'21.02" 20°50'49.21", & 82°28'31.85" 20°50'59.23")	1		6	Black Topped	Black Topped	Govt	Mouza-Haldi, NH353-6KM, BR-5Km, PA-11Km

A8	Bhainsmundi Bhusudi Sand Quarry, Mouza-Bhainsmundi@Bhusudi, Khata No-193 Plot No-855 & 1, Kissam-Nadi (82°33'44.58" 21°57'05.27", & 82°33'40.23" 21°56'52.12")	NH353	2		9	Black Topped	Black Topped	Govt	Mouza-Bhainsmundi @ Bhusudi, NH353-9KM, BR-7Km, PA-17.5Km
A9	Chingrasara Sand Quarry, Mouza-Chingrasara, Khata No-204(AAA) Plot No-1 & 1021, Kissam-Nadi (82°34'46.7" 20°58'41.4", & 82°34'31.5" 20°58'28.6")	NH353	1		10	Black Topped	Black Topped	Govt	Mouza-Chingrasara, NH353-10KM, BR-10Km, PA-20Km
A10	Mandirpada Sand Quarry, Mouza-Mandirpada, Khata No-380 AAA, Plot No-1, 135 (82°29'54.71" 20°54'56.79", & 82°29'38.76" 20°54'46.72")	NH353	1		2.5	Black Topped	Black Topped	Govt	Mouza-Mandirpada, NH353-2.5KM, BR-0.8Km, PA-15Km
A11	Haldi Sand Quarry-1 Mouza-Haldi, Khata No-175 AAA, Plot No-117 & 135 (82°28'11.08" 20°50'42.86", & 82°28'19.47" 20°50'54.61")	NH353	1		6.5	Black Topped	Black Topped	Govt	Mouza-Haldi, NH353-6.5KM BR-4.6Km, PA-9Km
A12	Kolda Sand Quarry, Mouza-Kolda, Khata No-223 AAA, Plot No-01 (82°29'20.86" 20°52'24.16", & 82°29'09.19" 20°52'12.75")	NH353	1		3	Black Topped	Black Topped	Govt	Mouza-Kolda, NH353-3KM, BR-4Km, PA-12Km
A13	Beheradihi Sand Quarry, Mouza-Bheradihi, Khata No-190 AAA, Plot No-267 LAT- 20°55'59.73"N' to 20°56'7.90"N LONG- 82°31'58.90"E to 82°32'10.72"E	NH353	1		4	Black Topped	Black Topped	Govt	Mouza-Bheradihi, NH353-4KM, BR-3.5Km, PA-16Km
A14	Mouza-Dumerdihi, Khata No-164, Plot No-1, 22, 71, Kissam-Nadi LAT- 20°55'05.09"N' to 20°55'16.05"N LONG- 82°30'57.07"E to 82°31'16.09"E	NH353	1		2	Black Topped	Black Topped	Govt	Mouza-Dumerdihi, BR-1.3Km, PA-15Km
A15	Mouza-Kurumunda, Khata No-113, Plot No-03, Kissam-Nadi LAT- 20°54'30.09"N' to 20°54'41.62"N LONG- 82°29'16.31"E to 82°29'29.16"E	NH353	1		3.5	Black Topped	Black Topped	Govt	Mouza-Kurumunda, BR-0.3Km, PA-15Km
B1	Tenganabasa-II Sand Quarry, Mouza-Tenganabasa, Khata No-116, Plot No-233,	NH353	1			Black Topped	Black Topped	Govt	Mouza-Tenganabasa,

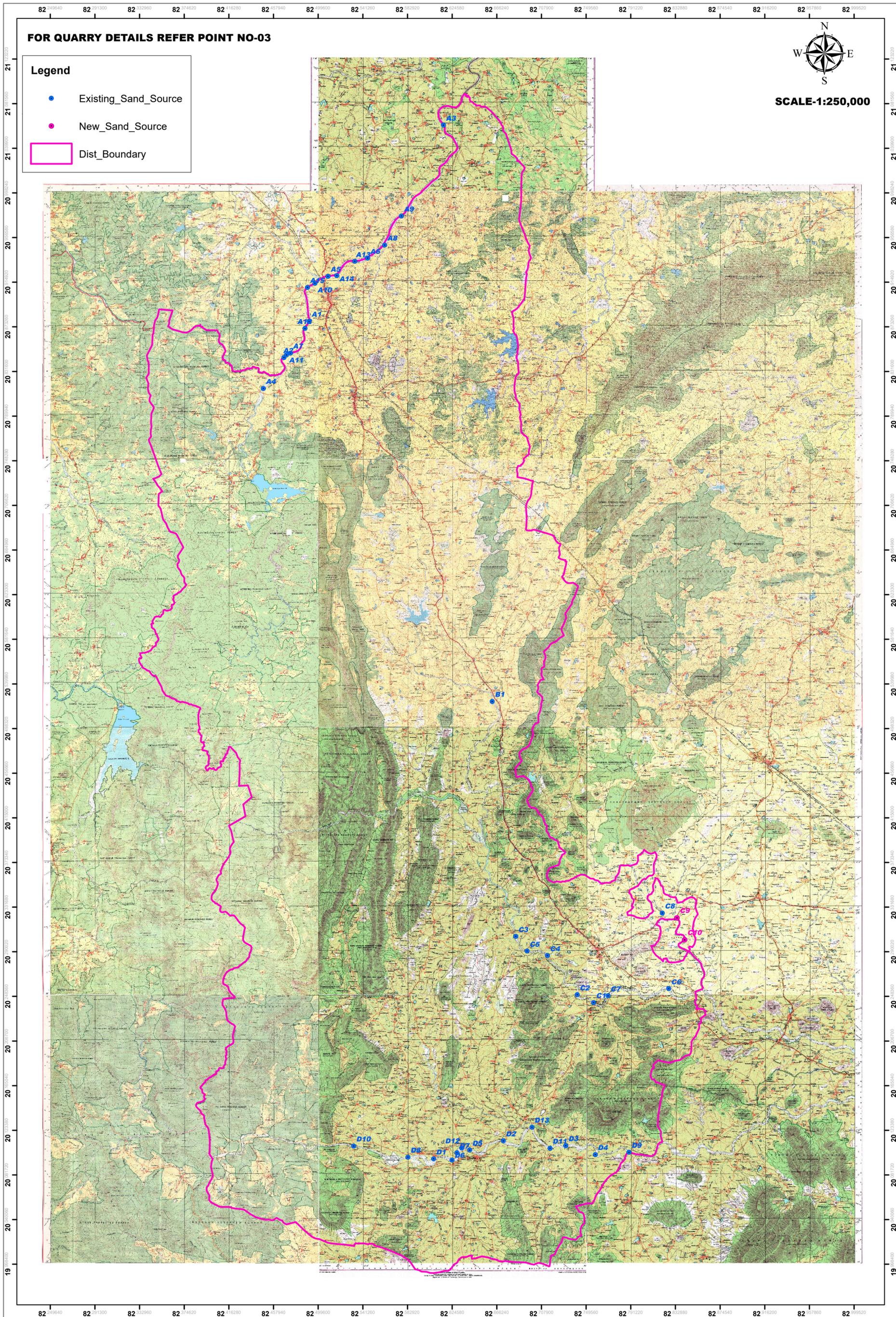
	275 & 279, LAT-20°31'08.06" to 20°31'45.02"N, & LONG-82°39'41.22" 82°39'57.33"								
C1	Bichhnepali-I Sand Quarry, Mouza-Bichhnepali, Khata No-153(AAA), Plot No-627, Kissam-Nadi (82°45'19.19" 20°14'37.58", & 82°45'33.31" 20°14'25.11")	NH353	1		7	Black Topped	Black Topped	Govt	Mouza-Bichhnepali, NH353-7KM
C2	Torli Sand Quarry, Mouza-Torli, Khata No-173(AAA), Plot No-1 & 545, Kissam-Nadi (82°44'28.42" 20°15'13.60", & 82°44'40.36" 20°14'50.43")	NH353	1		8	Black Topped	Black Topped	Govt	Mouza-Torli, NH353-8KM, BR-2Km, PA-19Km
C3	Khudpej Sand Quarry, Mouza-Khudpej, Khata No-284(AAA), Plot No-1006, Kissam-Nadi (82°41'03.32" 20°18'19.75", & 82°41'04.00" 20°18'08.54")	NH353	1		7.5	Black Topped	Black Topped	Govt	Mouza-Khudpej, NH353-7.5KM, BR-0.5Km, PA-13Km
C4	Kushmal Sand Quarry, Mouza-Kushmal, Khata No-250(AAA), Plot No-1245 & 1569, Kissam-Nadi (82°42'50.71" 20°17'12.66", & 82°42'57.04" 20°16'53.97")	NH353	1		6	Black Topped	Black Topped	Govt	Mouza-Kushmal, NH353-6KM
C5	Kikiribeda Sand Quarry, Mouza-Kikiribeda, Khata No-76(AAA), Plot No-191(A) & 191(B), Kissam-Nadi (82°41'44.10" 20°17'23.77", & 82°41'19.94" 20°17'38.14")	NH353	1		7	Black Topped	Black Topped	Govt	Mouza-Kikiribeda, NH353-7KM, BR-2.5Km, PA-14Km
C6	Chandgiri Sand Quarry, Mouza-Chandgiri, Khata No-159 AAA, Plot No-1(P) LAT-19°14'54.11"N to 19°15'08.44"N, & LONG-82°28'17.62"E to 82°28'21.68"E	SH16	1	1	1	Black Topped	Black Topped	Govt	Mouza-Chandgiri, SH16-1KM
C7	Bichhanapali-II Sand Quarry, Mouza-Bichhanapali, Khata No-153 AAA, Plot No-670 LAT-20°14'46.43"N to 20°15'03.10"N, & LONG-82°46'02.15"E to 82°46'18.03"E	NH353	1	1	6.5	Black Topped	Black Topped	Govt	Mouza-Bichhanapali, NH353-6.5KM, BR-6.5Km, PA-22Km
C8	Areca Sand Quarry, Mouza-Areda, Khata No-150 AAA, Plot No-855, LAT-20°19'23.37"N	NH59	1	10	1.5	Black Topped	Black Topped	Govt	Mouza-Areda, NH59-1.5KM, BR-1.3Km, PA-27Km

	to 20°19'45.72"N,& LONG-82°49'10.63"E 82°49'23.07" E							
C9	Mahura Sand Quarry,Mouza-Mahura, Khata-187, Plot-1/1147, KISSAM-NADI,PLOT-1(LAT-20.322, LONG-82.834)PLOT-1147(LAT-20.32, LONG-82.836)	NH59	1	18.7	Black Topped	Black Topped	Govt	Mouza-Mahura,NH59-18.7KM,BR-0.16Km,PA-28Km
C10	Chanatmala Sand Quarry,Mouza- Chanatamal, Khata-166, Plot-587, KISSAM-NADI,LAT-20.301, LONG-82.842)	NH59	1	4.5	Black Topped	Black Topped	Govt	Mouza-Chanatamal,NH59-4.5KM ,BR-2.5Km,PA-29Km
D1	Gadramal Sand Quarry,Mouza-Gadramal & Khalana, Khata No-239(AAA) & 240, Plot No-720 & 1 (82°36'26.25" 20°05'51.60" & 82°36'31.71" 20°05'41.18")	NH59	1	1	Black Topped	Black Topped	Govt	Mouza-Gadramal & Khalana, NH59-1KM,BR-2.3Km,PA-7.2Km
D2	Bargaon Sand Quarry,Mouza-Bargaon, Khata No-757(AAA), Plot No-3255 & 4245 (82°40'12.21" 20°06'49.12" & 82°40'27.43" 20°06'48.43")	NH59	1	24	Black Topped	Black Topped	Govt	Mouza-Bargaon,NH59-24KM,BR-0.33Km,PA-15Km
D3	Kopia Sand Quarry,Mouza-Kopia & Hathibandha, Khata No-326(AAA) & 816(AAA), Plot No-1969 & 1 (82°43'45.97" 20°06'32.86" & 82°43'59.91" 20°06'33.59")	NH59	1	22	Black Topped	Black Topped	Govt	Mouza-Kopia & Hathibandha,NH59-22KM
D4	Gidhmal Sand Quarry,Mouza-Gidhmal, Khata No-144, Plot No-15/1400 (82°45'27.71" 20°06'08.92" & 82°45'34.96" 20°05'55.98")	NH59	1	23	Black Topped	Black Topped	Govt	Mouza-Gidhmal,NH59-23KM,BR-0.3Km,PA-26Km
D5	Sinapali Sand Quarry, Mouza-Sinapali, Khata No-782, Plot No-1 (82°38'23.07" 20°06'22.14" & 82°38'31.74" 20°06'13.87")	NH59	1	25	Black Topped	Black Topped	Govt	Mouza-Sinapali,NH59-25KM,BR-1.5Km,PA-12Km
D6	Palsapada Sand Quarry, Mouza-Palsapada & Chatiaguda, Khata No-191 & 474, Plot No-1 & 2196/2253 (82°37'28.82" 20°05'49.17",& 82°37'25.40" 20°05'36.55")	NH59	1	27	Black Topped	Black Topped	Govt	Mouza-Palsapada & Chatiaguda,NH59-27KM,BR-0.6Km,PA-9Km

D7	Chhatiaguda Sand Quarry, Mouza-Chhatiaguda, Khata No-474 AAA, Plot No-2115, LAT-20°06'04.10"N to 20°06'10.09"N, & LONG-82°37'41.08"E 82°37'48.05" E	NH59	1		26	Black Topped	Black Topped	Govt	Mouza-Chhatiaguda, NH59-26KM, BR-0.4Km, PA-12.5Km
D8	Niljee Sand Quarry, Mouza-Niljee, Khata No-474(AAA), Plot No-1294, LAT-20°05'50.93"N to 20°25'58.09"N, & LONG-82°34'53.93"E 82°35'09.74" E	NH353	1	1	29	Black Topped	Black Topped	Govt	Mouza-Niljee, NH353-29KM, BR-5Km, PA-5Km
D9	Liad Sand Quarry, Mouza-Liad, Khata No-326 AAA, Plot No-2269, LAT-20.103, & LONG-82.791	NH16	1	1	16	Black Topped	Black Topped	Govt	Mouza-Liad, NH16-16KM, BR-4Km, PA-25.5Km
D10	Gorla Sand Quarry, Mouza-Gorla, Khata No-275, Plot No-811, 1182, (Plot No-811 LAT-20.109, & LONG-82.532), (Plot No-1182, LAT-20.108, & LONG-82.539)	NH353	1	4	32	Black Topped	Black Topped	Govt	Mouza-Gorla, NH353-32KM, BR-9.5Km, PA-2.6Km
D11	Chalna Sand Quarry, Mouza-Chalna, Khata No-290(AAA), Plot No-01, LAT-20°06'20.67"N to 20°06'27.91"N, & LONG-82°42'52.76"E 82°43'04.50" E	NH353	1		23	Black Topped	Black Topped	Govt	Mouza-Chalna, NH353-23KM, BR-2Km, PA-19Km
D12	Sagunbhadi Sand Quarry, Mouza-Sagunbhadi, Khata No-184, Plot No-888, LAT-20°06'19.76"N to 20°06'28.96"N, & LONG-82°03'55.59"E to 82°03'07.74"E	NH353	1		25	Black Topped	Black Topped	Govt	Mouza-Sagunbhadi, NH353-25KM, BR-0.9Km, PA-12.6Km
D13	Gandabahali Sand Quarry, Mouza-Gandabahali, Nandagaon, Khata No-290(AAA) & 143(AAA), Plot No-1796 & 17, LAT-20°07'29.10"N to 20°07'39.28"N, & LONG-82°41'51.96"E 82°42'01.74" E	NH353	1		21	Black Topped	Black Topped	Govt	Mouza-Gandabahali, Nandagaon, NH353-21KM, BR-3.5Km, PA-15.5Km

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	NH353	1	6	6.5	Black Topped	Black Topped	Govt	Mouza-Haldi,NH353-6.5KM,BR-7.4Km,PA-11.5Km
	NH353	1		6	Black Topped	Black Topped	Govt	Mouza-Haldi,NH353-6KM,BR-5Km,PA-11Km
	NH353	1		6.5	Black Topped	Black Topped	Govt	Mouza-Haldi,NH353-6.5KM,BR-4.6Km,PA-9Km
2	NH353	2		2.5	Black Topped	Black Topped	Govt	Mouza-Banka,NH353-2.5KM,BR-3.3Km,PA-12Km
	NH353	1		3	Black Topped	Black Topped	Govt	Mouza-Kolda,NH353-3KM,BR-4Km,PA-12Km

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



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

