DRAFT DISTRICT SURVEY REPORT (DSR)

OF

JHARSUGUDA DISTRICT, ODISHA

FOR

RIVER SAND

(FOR PLANNING & EXPLOITING OF MINOR MINERAL RESOURCES)

ODISHA

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

COLLECTORATE, JHARSUGUDA

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Preface

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 district survey report of sand mining has been prepared in accordance with Clause II of Appendix- X of the notification and procedures and annexures as per MoEF&CC **Enforcement and monitoring guidelines of January,2020**. Every effort has been made to cover 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, environmentalprotection ecological set up,community engagement and regulatory compliance of the district and is 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. 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.

1.Introduction:

Jharsuguda is a districtlocated in the western part of Odisha bordering Chhatisgarh State,India with Jharsuguda town as its headquarters. Besides being rich in mineral resources, Jharsuguda is one of the most industrially developed district of Odisha. Jharsuguda district was established on 1st January, 1994, before which it was a part of Sambalpur district. It was created by amalgamation of the erstwhile Jamindars of Rampur, Kolabira, Padampur and Kudabaga. The district is surrounded by Sundargarh district in the North, Sambalpur district in the East, Bargarh district in the South and Chattisgarh state in the West. It is situated at a distance of 515 km from Kolkata, 616 km from Nagpur, 48 km from Sambalpur and 372 km from state capital Bhubaneswar. Jharsuguda district covers a total area of 2, 081 sq km. The district once had an airport base during World War-II which has now been revived as a domestic commercial airport . This region is rich in coal and other mineral reserves.llke fire clay,quartz etc. Of late, many small and medium scale iron and steel units have been set up in the vicinity of Jharsuguda town, giving impetus to the industrial growth of the district.

2.Overview of Mining Activities in the District:.

Coal : Coal, the major mineral resources of the district is confined to Ib-river coal field which was brought to light towards the later part of the last century and now it is turns out to be one of the major coal fields in India. Both Barakar and Karharbari formations of this coal field are major coal bearing horizons. Surface and sub-surface data reveal one coal seam in Karharbari and four coal seams in Barakar with a number of local seams. The coal seams are highly inter-banded with high moisture and ash content. A total reserve of 9361.26 million tonnes of power grade coal has been estimated in the district.

In Jharsuguda district,,coal extraction is done by Mahanadi Coalfields Limited (MCL.) a subsidiary of Coal India Limited. There are five numbers of Opencast Projects and nine numbers of underground leases in operation by MCL. The total area held under Mining Leases in the distric is 9,361.323 hectares out of whicharea held under leases for coal alone by MCL is 9 ,254.303 hectares. Major Consumers of the IB Valley Area Coal across the Country are like NALCO, NTPC, Tamilnadu Elecrticity Board (TNEB), West Bengal Power Development Corporation (WPDCL), Aravali Power Co.(P) Ltd. T.P.P. Haryana, Talwandi Saboo Power Ltd. Punjab, Tata Electric Power, Jharkhand, Vendanta Pvt. Ltd., OPGC Odisha, Mahagenco Akola, Maharastra, Gopani Iron & Power , Chandrapura, Maharastra, etc. The royalty and DMF collected from the district during F.Y. 2023-24 are Rs.21520444 and Rs.690968 and during F.Y. 2024-25 are Rs.11467237 and Rs.250725 respectively. Recently, one Mining Lease for coal has been granted in favour of Vedanta Ltd.

Fire Clay: Several occurrences of fire clay are encountered within the Kamthi and Barakar formations of Ib-river coal field associated with coal seams. The important occurrences are located around Belpahar, Jurabaga, Darliapali ,Lakhanpur Lilari and Lajkura. A total reserve of 0.674 million tonnes of fire clay has been estimated for the district but unfortunately can not be exploited due to its occurrence over coal horizon acquired by MCL. Tata Kroshaki Refractories Ltd. (TRL) is a major refractory plant in the state which was commissioned eyeing these resources.Other occurrences are reported in the village Chandli, Soldia, Ganga, Belout, Bhatlaida, Bonaroi, Khinda & Talabira.

Quartz & Quartzite: The quartz deposit of Bhatlaira, Bonereai & quartzite of Kanjhaharan are amongst the notable ones. Besides, refractory / glass grade quartz occurs around Laikera, Pandrimal, Jhargaon – Kadamghat, Kolabira, Jangapera, Bhikhampur, Beldungri & Harpidungri.

Two numbers of Quartzite mines are operating in the district. One is Chuinpali Quartzite mines of M/s TRL KroshakiRefractories Limited over 102.123 Hectare area situated near Chuinpali Village of Lakhanpur Tahasil and the other is Bhikampali Quartzite Mines of M/s OCL India Ltd. over 4.897 Hectare in Bhikamplai Village also of Lakhanpur Tahasil of Jharsuguda District.

Red Oxide / Red Ochre: An important deposit of red oxide occurring within Gondwanas is located in Patrapali – Malda..

Gemsand: Gem quality green tourmaline occurrences in zoned pegmatites have been encountered in porphyritic granite gneiss, amphibolite & schists around Bagdihi. Incidences of semi-transparent aquamarines have also been reported from colluvial zone of the pegmatite body, located east of Pandrimal village.

Dolomite: River Sapai, flowing along the boundary of Sundargarh and Jharsuguda districts exposes sporadic occurrences of dolomite. These occurrences appear to be extension of limesand and dolomite deposits of Gangpur Synclinorium. The estimated reserve of dolomite along the Sapai river section in both Jharsuguda and Sundergarh district is 5.4 million tonnes.

Other Minerals: Minor occurrences of minerals like kyanite of Titheimal, sillimanite of Bhuliadihi, opaque beryl of Pandrimal and Kolabira, tourmaline of Kolabira, columbite –tantalite of Kolabira, feldspar of Bhatlaira and the Pyroxene granulites of Pandrimal areas for dimension sand etc, have also been reported.

Over and above, minor minerals such as river sand, laterite , building sand/black sand/road metals, sand, brick earth etc. are also available in the district.

3.General Profile:

a. Administrative set up:

Sl No	Item	Unit	Magnitude
1	Location		Elevation: 700 to 750 ft aMSL
	Longitude	Degree	83 ^{0} 27' to 84 24' East
	Latitude	Degree	21^{0}31 to 22 33' North
2	Geographical area	Sq.Km.	2,081 sq. Km.
3	Sub-division	Numbers	1
4	Tahasils	Numbers	5
5	C D Blocks	Numbers	5
6	Municipalities	Numbers	3
7	NACs	Numbers	-
8	Police Stations	Numbers	11
9	Gram Panchayats	Numbers	78
10	Villages	Numbers	351
	Inhabited	Numbers	347
	Uninhabited	Numbers	4
11	Assembly constituencies	Numbers	2

a.Area and Population:

Jharsuguda district covers a total area of 2,081 sq km. The district lies between 21.31 to 22.33 degree north latitude and 83.27 to 84.24 degree east longitude.

As per 2011 census. the total population of the District is 5,80,000 consisting of 351 villages. Urban Population is 2,31,000 and rural population is 3,49,000. Total male population of the District is 2,97,000 and female population is 2,83,,000. The District consists of total 1,04,620 SC population and 1,76,758 ST population. The average literacy rate of the District is 78.86% comprising 86.61% male and 70.73% female literacy rate.

c.Climate :

The district of Jharsuguda is characterized by a hot and dry climate.The temperature is extreme ranging from 11.8 degree C in winter to 42 degree C in summer and the highest temperature recorded ever is 48 degree C.The average relative humidity is 65% but can range from 37% in March to 89% in July.The average rainfall of the district is 1362.8 millimeter. From April to August, the wind blows from south and southwest whereas from September onwards it blows from North West.

d.Economy:

The economy of the Jharsuguda district can be judged from its natural resources. The District is rich in minerals like coals, quartzite and fire clay. Besides, deposits of sand, granite, white sand and laterites are also found in several places of Jharsuguda district which add to economy of the District. Several Mega-industrial units like Vendanta Alumina, Bhusan Steel and Power, TATA Kroshaki Refractories operating in the district contribute to itsfurther economic growth. There are also some major forest produce like Kendu leaves, wood, rice and leather which also add significantly to the economy of Jharsuguda district.

e.Industry:

No. of MSME units set up	Investment (In Rs. Lakh)	Employment Generated				Employment of women
		SC	ST	General	Total	
1794(Micro& small)	17836.59				7614	
18(Large)	630222				7905	
21(Medium)						
7999(Regd Industrial units)	45046.79				31915	

f.Agriculture:

During the year 2022-23, the net area sown was 86,000 hectares against 53,56,000 hectares of the state. The production of cropsduring 2019-20 was as below:(State Focus Paper,NABARD)

Production	Paddy	Wheat	Maize	Mung	Biri	Kulthi	TilL	Ground nut	Mustard	Potato	Jute	Sugar cane
In '000 t.	46.94	0.15	4.46	1.20	0.51	0.68	1.02 -	3.06	0.72	9.85	-	4.71-

g. Fertiliser consumption: During 2021-22, the total fertilizers used in the district was about 5,350 M.T. Quantity of consumption of various fertilisers are as below;(DE&S)

Type of fertiliser	Nitrogenous	Phosphatic	Pottasic	Total	Consumption Kg/per Ha
Quantity in MT	3180	1470	700	5350	65.05

h.Power:

The current consumption of electricity in the district varies between300-500 million units per month and almost all the villages have been electrified as on date..

i.Transport&Communication: 2021-22

Source:DE&S.govt. of Odisha,Dist at a glance,2023,

Railway route length km	94
No of Rly stations and PH	13
Forest road	23.00
National Highway	105.45
State Highway	26.75
Major district road	4
Other dist road	1007.81
Rural road	749.44

Rural Surface Road	1286.19
Rural Unsurface Road	853.19

j.Health:

The medical facilities are provided by different agencies like Govt., Private individuals and voluntary organizations in the district.

Allopathic Govt medical institutions	DHH-1,PHCs-19,CHCs-6
Beds facilities	DHH-beds-234, CHCs-60 beds- 6 Nos OH- 10 beds- 1No
Homoeopathic dispensaries	8 Nos
Ayurvedic dispensaries	9 Nos
Private hospitals	13 Nos.
Health Subocenter	66
Mobile Health unit	1

k.Tourist places:

Jharsuguda is one of the popular tourist destinations. The district is decorated with many tourist places. Koilighughar waterfall (Lakhanpur) and Adyaswambhu are the picnic spots that attract lots of tourists every year. Likewise, there are several places of historical importance like ruins of Hill Forts of Ulapgarh, rock painting and lithography of Bikramkhol, Ushakothi cave and Kolabira Fort. The district has number of temples namely Padmasini Temple of Padampur, Ancient Shiva Shrine of Jhadeswar Temple, Ramchandi, an ancient Shaktipitha, Shree Pahadeswar Temple, Shiva Shrine of Mahadebpali

l.Forest areas:

Category of forest	Area in sq km
Reserve Forest	35.5
Unclassified Forest	0.1
Demarcated Protected Forest (DRF)	28.7
Undemarcated Protected Forest	0
Other forest under	289.1

Revenue Dept	
Proposed Reserve Forest	96.4
Protected Forest	0.5
Total	450.3

m.Education: As in 2021-22

Primary School	No. of Schools	311
	Enrolment (No)	12,628
	Pupil Teacher Ratio	14.32
Upper Primary School	No. of Schools	283
	Enrolment (No)	31,359
	Pupil Teacher Ratio	17.79
General College	Junior	23
	Degree	10
Secondary School	No. of Schools	146
	Enrolment (No)	45,003
	Pupil Teacher Ratio	22.51
Literacy Rate, 2011	Male	86.6
	Female	70.7
	Total Average	**78.9**

n.Culture & Heritage:

Jharsuguda district is very much rich in its cultural heritage. Various fairs and festivals are celebrated round the year that indicates its richness in culture and religion. There are many common fairs and festivals that are celebrated in the state. But there are few distinct and special festivals that are celebrated in the District like Ranjta Festival, Ratha Jatra of Kukurjunga, Famous Gokulastami Jatra of Rajpur and Makar Ratha Jatra of Belpahar.

The District is a beautiful diaspora of different origins of people from across India which makes it unique & different from other cities in Odisha. Sambalpuri is the mother tongue of the district. Besides some ethnic groups have their own languages like Agrias, Lairias, Mundas, Kishans, Khadis and Turis.

4.Geology:

The district exposes a wide spectrum of rock types. The Peninsular Gneiss comprising augen gneiss and migmatite represent the oldest rocks belonging to Archaean Supergroup of Lower Proterozoic age in the area. They occupy a gently undulating terrain east of Jharsuguda. A small body of massive granite, the Tamparkola granite, of Lower Proterozoic age occurs as an isolated exposure near Dulesra. A narrow

linear strip of meta-sedimentary rocks consisting of quartzite, quartz-sericite schist, phyllite and mica schist occurring near Laikera belongs to Upper Bonai Group of Lower Proterozoic age. Well consolidated, soft and foliated rocks of Gangpur Group of Lower Proterozoic age comprising phyllite and mica schist are well exposed here. An un-metamorphosed sedimentary sequence of rocks occur near the western corner of the district. This sedimentary sequence can be broadly divisible into a sequence of shale, calcareous shale and quartzite forming the Raipur Group and coarse sandsand and quartzite forming the Chandarpur Group of the Chattisgarh Super Group. The Gondwana Super Group of sedimentary rocks are confined to fault bounded basin and occur in the central part of the district around Belpahar, Brajarajnagar areas. Among Talchir and Barakar Formations of Lower Gondwanas, the latter is the store house of `bituminous coal' in the region. Kamthi Formation consisting of conglomerate, sandstone, shale, red clay etc. represents the Upper Gondwanas in the area. Soil, alluvium and laterite are the younger formations in the area. Laterite occurs in small, isolated, irregular outcrops, spread almost all over the above rock types. The unclassified soil/alluvium of the Quaternary era occupies large area in the Mahanadi river valley and over the gneissic country, east of Jharsuguda.

STRATIGRAPHY:

The geological succession in the district is as follows:

AGE	GEOLOGICAL UNIT		LITHOLOGY
Pleistocene to Recent	Quaternary		Soil and alluvium
Cainozoic			Laterite
Permian to Triassic	Gondwana Super Group	Kamthi Formation	Conglomerate, sandsand shale, red clay
Permian		Barakar Formation	Sandsand, shale with coal seams
Carboniferous (?) Permian		Talchir Formation	Green sandsand, needle shale, boulder bed
Upper Proterozoic			Gangpur granite

Middle to Upper Proterozoic	Chattisgarh Super Group	Raipur Group	Shale, calcareous shale, quartzite
		Chandarpur Group	Coarse quartzite, sandstone
Lower Proterozoic		Gangpur Group	Phyllite, mica schist
Lower Proterozoic			Tamparkola granite
		Upper Bonai Group	Shale, phyllite, mica schist
			Quartzite, quartz-sericite schist
Archaean to Lower Proterozoic		Lower Bonai Group	Metabasics
		Peninsular Gneiss (Younger phase)	Augen gneiss and migmatite
Archaean		Peninsular Gneiss (Older phase)	Medium grained biotite granite gneiss

5.Drainage and Irrigation Pattern:

The drainage of the district is mainly controlled by rivers like IB & Bheden. Detail of the river system is narrated below.

Sl.no	Name of the River	Place of origin	Altitude at origin	Total length in the district (in km)	Area drained (sq km)	% area drained in the district	Process on deposition of sediments	Volume of sand deposited in last four years(Year wise)	Any important note related to leasing of sand quarry within the river
A	B	C	D	E	F	G	H	I	J
1	IB	Pandarapat Raigarh	21°51'N 83°56'E	52Km	12447sq km	14Km	Sediments get deposited along with sand after receding of flood water.	35,00,000 Cum(Approx.)	-
2	Bheden	Bamara	21°46'7" N 84°14' 40"E	50Km	2120 sq km	50Km	-do-	50,00,000 Cum(Approx.)	-

Note: **Process on deposition of sediments**

i.Erosion

- **Upstream Erosion:** Sand and sediments are primarily generated through erosion of rocks and soil in the upstream areas of the river. In the case of the Indravati River, the erosion could occur in the hilly regions of the Eastern Ghats.
- **Human Activities:** Deforestation, agricultural activities, and construction work can increase the rate of erosion, leading to more sand and sediment being carried by the river.

ii. **Transportation**

- **River Flow:** The sand and sediment eroded from upstream areas are transported downstream by the flow of the river. During the monsoon season, the flow is stronger, and more sand is carried.
- **Suspension and Bed Load:** Sand is transported in two forms: suspension (floating within the water) and bed load (rolling or sliding along the riverbed).

iii. Deposition

- **Decrease in River Velocity:** As the river reaches flatter areas or the riverbed widens, the flow velocity decreases. This reduction in velocity causes the river to lose its capacity to carry sand, leading to deposition.
- **Sandbars and Islands:** Over time, the deposited sand forms sandbars or islands in the river, especially in areas where the river meanders or its gradient reduces.
- **Seasonal Variations:** Deposition is often more pronounced during the dry season when the water level decreases, leaving more sand exposed along the riverbanks and on sandbars.

iv. Human Influence

- **Mining Activities:** In some regions, sand mining can alter the natural deposition process, either by removing sand or changing the river's course.

- **Dams and Barrages:** The construction of dams and barrages can also influence sand deposition by controlling the flow of water downstream.

v. Impact on Ecosystem

- **Habitat Formation:** The deposited sand creates new habitats for various species of plants, birds, and aquatic animals.
- **Agricultural Impact:** In regions like Koraput, the deposition of sand on agricultural land can sometimes be detrimental to farming, though in some cases, it might also replenish soil nutrients.

6.Land utilisation Pattern:

Sl No	Landuse	Area in '000Ha
1	Forest Area	20
2	Misc. trees & Grooves	6
3	Permanent Pasture	20
4	Culturable Waste	15
5	Land put to Non Agril Use	39
6	Barren & Unculturable Land	17
7	Current Fallow	25
8	Other Fallow	3
9	Net Area Sown	63
10	Mining	10
	Geographical Area	211

7.Surface and Groundwater Scenario:

The drainage systems i.e. rivers of the district get filled with water during the monsoon and gradually decrease from the month of January to June of each year. In summer season, all the rivers become almost dry excepting flow of water in a few narrow channels within the basin.

The variation of ground water table in the district is as follows:

Depth of water level (mbgl)/ Period	April	August	November	January
Minimum	2.25	0.85	1.35	2.2
Maximum	7.75	6.35	5.85	8.2

8.Rain fall:

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

Year/ Month	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH	TOTAL
20-21	93.4	72.82	393.42	297.02	586.86	214.2	44.5	9.98	0	11.14	10	6.76	**1740.1**
21-22	9.9	154.56	215.84	227.6	145.46	203.9	27.96	21.94	64.3	69.6	36.36	0	**1177.7**
22-23	0	46.46	101.96	366.76	502.36	115.64	84.66	0	0	0	0	31.86	**1249.7**
23-24	34.96	26.04	244.82	335.28	450.26	377.76	130.66	21,56	62.24	10.06	8.32	65.08	**1757.04**
NORMAL	**14.88**	**29.9**	**205**	**362.7**	**395**	**233.3**	**0.6**	**11.22**	**9.6**	**11.33**	**14**	**13.88**	**1301.08**

9.Details of Quarry Leases:

Attached vide Annexure I.There is no other categories of quarry leases for incorporation in Annex--II to VI.

10.Details of Royalty Collected: (in Rs)

Year wise Royalty collection of Sand of Jharsuguda District							
Sl No	Name of Tahasil	Name of the Source	2020-21	2021-22	2022-23	2023-24	2024-25
1	Jharsuguda	H KATAPALI SAND BED F	0	1566000	3132000	1753729	640000
2		H KATAPALI SAND BED G	0	0	2500000	1975803	300000
3		SRIPURA SAND BED B	410000	123082	1560212	2760212	2200000
4		TANGARPALI SAND BED	630000	638400	638400	445740	750881
5		TALPATIA SAND BED B	737775	90000	0	8972403	4000000
6		CHARBHATI SAND BED B	870174	2610000	2610000	1611800	1649000
7		THARKASPUR SAND BED	552000	552000	0	0	473032
8		SRIPURA SAND BED C	465120	114000	114000	47520	0
9		CHARBHATI SAND BED A	287964	171000	0	0	0
10		JAMERA SAND BED C	496080	756000	0	0	0
11		KATIKELA SAND BED A	328000	104000	0	0	0
12		KATIKELA SAND BED C	365920	246080	0	0	0
13		KATIKELA SAND BED D	577530	289800	289800	0	0
14		LAHANDABUD SAND BED C	777000	310800	0	0	0
15		PANCHPADA SAND BED A	578463	578463	578463	0	0
16		PANCHPADA SAND BED B	640000	578136	0	0	0
17		PANCHPADA SAND BED C	677600	640000	0	0	0
18		PANCHPADA SAND BED D	1561700	1561700	1561700	0	0
19		PANCHPADA SAND BED E	600000	120000	120000	0	0
20		RAJPUR SAND BED B	196280	98120	0	0	0
21		TALPATIA SAND BED A	163125	90000	0	0	0
22	Kolabira	RAGHUNATHPALI & KOLABIRA SAND BED	280000	280000	280000	73815	0
23		BHOGRAPALI & SAMASINGHA SAND BED	174560	1210677	910677	536639	0

24		SODAMAL SAND BED	970000	970000	970000	490040	0
25		SODAMAL SAND BED D	502178	250988	974000	1000000	0
26		PARAMANPUR SAND BED	0	297795	38200	210410	110000
27		GUCHHAPALI SAND BED B	0	76250	183000	189947	100000
28		TAREIKELA SAND BED	46500	187800	153200	0	0
29		SODAMAL SAND BED C	408014	255463	73320	0	0
30		SALHEPALI SAND BED	250000	192054	57946	0	0
31		KULIHAMAL SAND BED	74488	174770	104283	0	0
32		KOLABIRA SAND BED B	0	0	0	0	0
33		GUCHHAPALI SAND BED	170000	408000	238000	0	0
34		K.SAMASINGHA SAND BED	0	0	0	0	0
35		KANAKTORA SAND BED	75460	75460	215600	107800	120825
36		SUKHASODA SAND BED	0	217560	217560	0	455375
37		CHHUINPALI SAND BED	0	0	669291	532268	443124
38		DUDOLSINGHA SAND BED - 1	144000	384000	240000	0	0
39		DUDOLSINGHA SAND BED - 2	144000	384000	240000	0	0
40		DUDOLSINGHA SAND BED - 3	144000	384000	240000	0	0
41		DUDOLSINGHA SAND BED - 4	215616	528000	960000	0	0
42	Lakhanpur	KANDHEIKELA SAND BED	80000	96000	96000	0	0
43		AMAPALI SAND BED	245520	245520	245520	0	0
44	Laikera	MURADIPALI SAND BED	0	0	277865	0	0
45		CHAKBUDA SAND BED	289300	578600	578600	530800	100000
46		SULEHI SAND BED	121700	243400	243400	281518	125000
47		BHAUNRA SAND BED A	1070790	820748	0	0	0
48	Kirmira	BHAUNRA SAND BED B	106948	106948	106948	0	0
Total Collection			**16427805**	**19605614**	**21417985**	**21520444**	**11467237**

11..Details of Production of Minor Minerals:

Year wise Production in cum

Year wise production of Sand of Jharsuguda District							
Sl No	**Name of Tahasil**	**Name of the Source**	**2020-21**	**2021-22**	**2022-23**	**2023-24**	**2024-25**
1	Jharsuguda	H KATAPALI SAND BED F	0	6000	12000	9642	2016
2		H KATAPALI SAND BED G	0	0	5000	7993	1558
3		SRIPURA SAND BED B	10000	3002	0	7095	5148
4		TANGARPALI SAND BED	7500	7600	7600	1866	1150
5		TALPATIA SAND BED B	9837	1200	0	13220	2534
6		CHARBHATI SAND BED B	3334	10000	10000	4542	2058
7		THARKASPUR SAND BED	6000	6000	0	0	224
8		SRIPURA SAND BED C	11625	2850	2850	0	0
9		CHARBHATI SAND BED A	5052	3000	0	0	0
10		JAMERA SAND BED C	12400	18900	0	0	0
11		KATIKELA SAND BED A	8200	2600	0	0	0
12		KATIKELA SAND BED C	9147	6152	0	0	0
13		KATIKELA SAND BED D	5020	2520	2520	0	0
14		LAHANDABUD SAND BED C	3000	1200	0	0	0
15		PANCHPADA SAND BED A	5307	5307	5307	0	0
16		PANCHPADA SAND BED B	5000	5000	0	0	0
17		PANCHPADA SAND BED C	7700	7700	0	0	0
18		PANCHPADA SAND BED D	6790	6790	6790	0	0
19		PANCHPADA SAND BED E	15000	3000	3000	0	0
20		RAJPUR SAND BED B	4906	2453	0	0	0
21		TALPATIA SAND BED A	2175	1200	0	0	0
22	Kolabira	RAGHUNATHPALI & KOLABIRA SAND BED	5500	5500	5500	0	0
23		BHOGRAPALI & SAMASINGHA SAND BED	15000	9110	9110	0	0
24		SODAMAL SAND BED	10000	10000	10000	0	0
25		SODAMAL SAND BED D	8816.25	8082	2591	1356	
26		PARAMANPUR SAND BED	0	1250	5000	4398	1218
27		GUCHHAPALI SAND BED B	0	1667	4000	2042	748
28		TAREIKELA SAND BED	333	4000	4000	0	0
29		SODAMAL SAND BED C	10575	9693	0	0	0
30		SALHEPALI SAND BED	5000	5000	2083	0	0
31		KULIHAMAL SAND BED	3540	3540	2065	0	0
32		KOLABIRA SAND BED B	8385	7686	0	0	0
33		GUCHHAPALI SAND BED	10200	10200	5950	0	0

34		K.SAMASINGHA SAND BED	0	0	0	0	0
35	Lakhanpur	KANAKTORA SAND BED	1715	1715	3850	1931	552
36		SUKHASODA SAND BED	0	4440	4440	0	42
37		CHHUINPALI SAND BED	0	0	13659	4462	2784
38		DUDOLSINGHA SAND BED - 1	3000	8000	5000	0	0
39		DUDOLSINGHA SAND BED - 2	3000	8000	5000	0	0
40		DUDOLSINGHA SAND BED - 3	3000	8000	5000	0	0
41		DUDOLSINGHA SAND BED - 4	4492	11000	20000	0	0
42		KANDHEIKELA SAND BED	2000	2000	2000	0	0
43		AMAPALI SAND BED	5115	5115	5115	0	0
44	Laikera	MURADIPALI SAND BED	0	0	1333	0	0
45	Kirmira	CHAKBUDA SAND BED	950	3800	3800	2386	490
46		SULEHI SAND BED	600	2400	2400	988	95
47		BHAUNRA SAND BED A	8900	8900	0	0	0
48		BHAUNRA SAND BED B	2500	2500	2500	0	0
Total			**250614.25**	**244072**	**179463**	**61921**	**20617**

12.Mineral Map of the District:

Attached as Plate No 4.

13.List of LOI Holders along with Validity:

Not applicable

14.Total Mineral Resource Available in the District:

Total resource of sand is approximately **34,36,918** cum which may increase after detail investigation.

Details of the potential areas are submitted as Annexure II.

15.Quality/Grade of Mineral:

Sand of the district is very much suitable for filling purposes particularly of road.

16.Use of Mineral: Sand is used mainly in the road construction purpose apart from some domestic constructions.

17.Demand & Supply of the Mineral:

The tentative annual demand of sand in the district and adjoining districts will be in the region of **1 to 1.5 Million CuM** approximately.

18.Mining Leases marked on the map of the District:

Attached as Plate No 5.

19.Details of Areas Having Cluster of Mining Leases:

Not applicable

20.Details of Eco-Sensitive Area:

Part of Eco-Sensitive Zone of Debrigarh wildlife Sanctuary is located adjoining the district.

21.Impact of Mining on the Environment (Air &Water quality,, Noise level, Soil, Flora,Fauna,Land, Agriculture, Forest etc.)

Attributed to Mining Activities:-

Generally, the impact of mining activities on environment can be categorized as either primary or secondary. Primary Impacts are those, which are caused directly during operation of various existing projects. Secondary impacts are induced by expansion of project area, enhancement in production or addition of ancillary units by the project proponents themselves or dependent secondary and tertiary units

Impact on Ambient Air Quality:

Mining operation in the districtis carried out mostly by opencast semi-mechanized/ mechanized methods and rarely by manual methods generating huge volume of dust particles.Such generation is the result of various activities like blasting, excavation and loading by heavy machineries ,(power shovels,surface miners, haul packs etc.),processing off minerals in crushers,coal handling plants and transportation by large dumpers and trucks. The air quality in the mining areas depends upon the nature and concentration of emissions and meteorological conditions.

The major air pollutants due to mining activities include:-

i Suspended Particulate matter (dust) of various sizes.

IiGases, such as sulphur dioxide, oxides of nitrogen, carbon monoxide etc emitted from heavy mining machineries & waste and mineral transporting vehicles.

Impact on Water Quality:

Sometimes, mining particularly in underground operations lead to interception with the water table causing lowering of ground water table. Due to theinterference with surface water sources like river, nallah etc and the entire drainage system down stream of the area is adversely affected.Oil,grease and other lubricants are also carried by surface run off to natural water courses polluting water quality.

Impact on Noise Level:

Noise pollution is mainly caused due to blasting, operation of heavy machineries and plying of transporting vehicles.

Land degradation:

Since winning of minerals involves huge volume of excavation of earth's surface,land degradation can not be dispensed with. Similarly, dumping of solid waste also creates problem.But,lot of remedial measures are in the statute to prevent such degradation.

Impact on Flora & Fauna

Impact on biodiversity is difficult to quantify because of it's diverse and dynamic characteristics.Mining activities in forest area also cause deforestation, land degradation, water, air and noise pollution which directly or indirectly affect the fauna and flora status of the project area and its ambience.

22.Remedial Measures to mitigate the Impact of Mpning on the Environment-

Air:

Mitigation measures suggested for air pollution controls are to be based on the baseline ambient air quality of the project/cluster area and would include measures such as:

- Water spraying on haul roads, service roads and overburden dumps .
- Proper and regular maintenance of mining equipments
- Transport of materials in trucks are to be covered with tarpaulin.
- The mine pit water, if any can be utilized for dust suppression in and around mine area.
- Information on wind direction and meteorological factors are to be considered during planning, so that pollutants, which cannot be fully

suppressed by engineering techniques, can be prevented from reaching the nearby human habitat.

- Comprehensive greenbelt around overburden dumps and periphery of the mining projects/clusters has to be developed and monitored to reduce to fugitive dust transmission from the project.
- Compaction of terraces, coir mat geo textiling along dump slopes followed by plantation.

Water

- Construction of garland drains and settling tanks to divert surface run –off of the mining area to the natural drainage.
- Construction of checks dams/ gully plugs at strategic places to arrest silt wash off from broken up area, if required.
- Retaining walls with weep hole are to be constructed around the mine boundaries to arrest silt wash off in case of big quarries.
- The mined out pits can be converted in to the water reservoir after reaching ultimate pit limit. This will help in recharging ground water table by acting as a water harvesting structure.
- Periodic analysis of mine pit water and ground water quality in nearby villages are to be undertaken.
- Domestic sewage from site office & urinals/latrines, if any provided within ML/QL areas is to be discharged in septic tank followed by soak pits.

Noise:

- Periodic maintenance of machineries, equipments shall be ensured to keep the noise generated within acceptable limit.
- Development of thick green belt around mining/cluster area, avenue plantation along haul roads to reduce the noise.
- Conducting periodical medical checkup of all workers for any noise related health problems.
- Proper training to personnel to create awareness about adverse noise related effects.

- Periodic noise monitoring at locations within the mining area and nearby habitations are to be undertaken for big QL areas to assess efficacy of adopted control measures.

Biological Environment:

- Development of green belt/gap filling saplings in the safety barrier left around the quarry area/ cluster area, if the safety zone areas are barren.
- Carrying out thick greenbelt with local flora species predominantly with long canopy laves on the inactive mined out upper benches.
- Development of dense poly culture plantation using local floral species in the mining areas at conceptual stage if the mine is not continued much below the general ground level.
- Adoption of suitable air pollution control measures as suggested above.
- Transport of materials in trucks covered with tarpaulin.

23. Reclamation of Mined out Area (Best Practice already implemented in the district, Requirement as per Rules and Regulations, Proposed Reclamation Plan) :-

As per statute, all mines/quarries are to be properly reclaimed before final closure of the mine. Reclamation of exhausted mines are planned to be undertaken in three possible means depicted below;

1. If, substantial quantity of waste is there, the exhausted quarry can be fully or partly backfilled using the stored waste. The backfilled areas are to be brought under plantation of local species.
2. If the generation of waste is much less as in the case of minor mineral mining, the exhausted quarries can be reclaimed by
   a. Plantation on the broken up surface if the depth of quarry is not much below the surrounding surface level.
   b. Conversion to water reservoir after stabilization of the slopes if the exhausted quarry continues much below the surrounding surface level. It is preferred to cordon the water reservoir either through wire fencing or retaining wall with plantation from the safety point of view.

Most of the quarry/mining lease areas are yet to be exhausted from ore point of view.Hence, reclamation would be taken up only after exhaustion of the

ore/mineral content from these areas. The exhausted minor mineral quarries of the district have been converted to water reservoirs.

24. Risk Assessment& Disaster Management Plan:

The only risk involved relating to mining of minor mineral excepting natural calamities is slope failure and probable accidents due to high and ill maintained bench walls. This can only be addressed through making of regular benches and undertaking mining in benching pattern.

The disaster management plan (DMP) is supposed be a dynamic, changing, document focusing on continual improvement of emergency response planning and arrangements.

The disaster management plan is to be aimed to ensure safety of life, protection of environment, protection of installation, restoration of production and savage operations in this same order of priorities. For effective implementation of the disaster management plan, it should be widely circulated through rehearsal/induction conducted by the respective department from time to time .

General responsibilities of employees' during an emergency:

During an emergency, it becomes more enhanced and pronounced when an emergency warning is raised, the worker in charge, should adopt safe and emergency shut down and attend to any prescribed duty. If no such responsibility is assigned, the workers should adopt a safe course to assemble at a specified point and wait for instructions. He should not resort to spread panic. On the other hand, he must assist emergency personnel towards objectives of DMP.

Co-ordination with local authorities:

The Mine Manger who is responsible for emergency will always keep a vehicle ready at site. In case of any eventuality, the victim will be taken to the nearby hospitals after carrying out the first aid at the site. The Manger should collectand store adequate information of the nearby hospitals, fire station, police station, village

panchayat heads, taxi stands, medical shops, district revenue authorities etc. and use them efficiently during the case of emergency.

25. Details of the Occupational Health Issues in the District. (Last Five- Year Data of number of Patients of Silicosis& Tuberculosis Need to be submitted):-

As per the guidelines of the Mine Rules 1995, occupational health safety has been stipulated by the ILO/WHO. The proponent's will take necessary precautions to fulfil the stipulations. Normal sanitary facilities have to be provided within the lease area. The management will carry out periodic health checkup of workers.

Occupational hazards involved in mines are related to dust pollution, noise pollution, blasting and injuries from moving machineries & equipment and fall from high places. DGMS has given necessary guidelines for safety against these occupational hazards. The management has to strictly follow these guidelines.

All necessary first aid and medical facilities are to be provided to the workers.The mine shall be well equipped with personal protective equipment (PPE). Further, all the necessary ported equipment such as helmet, safety goggles, earplugs, earmuffs ets are to be provided to mine workers as per Mines Rules. All operators and mechanics are to be trained to handle fire fighting equipment.

Tuberculosis Data RNTCP Jharsuguda

YEAR	No of Tuberculosis patients
2019	632
2020	613
2021	656
2022	661
2023	750
2024 (Jan to July)	424

There is no case of Silicosis found in Jharsuguda within the time frame mentioned above.

26. Plantation of Green Belt Development in respect of Leases already granted in the District:

As most of the minor mineral mines/quarries of the district are yet to be exhausted of their mineral content no sort of reclamation measures including plantation has been

undertaken excluding gap plantation of local species in the peripheral safety zones of the quarries/ clusters and in some of the haul roads.

27. Any other Information:

Nil

PLATE NO- 1

INDEX MAP

ODISHA

PLATE NO- 2

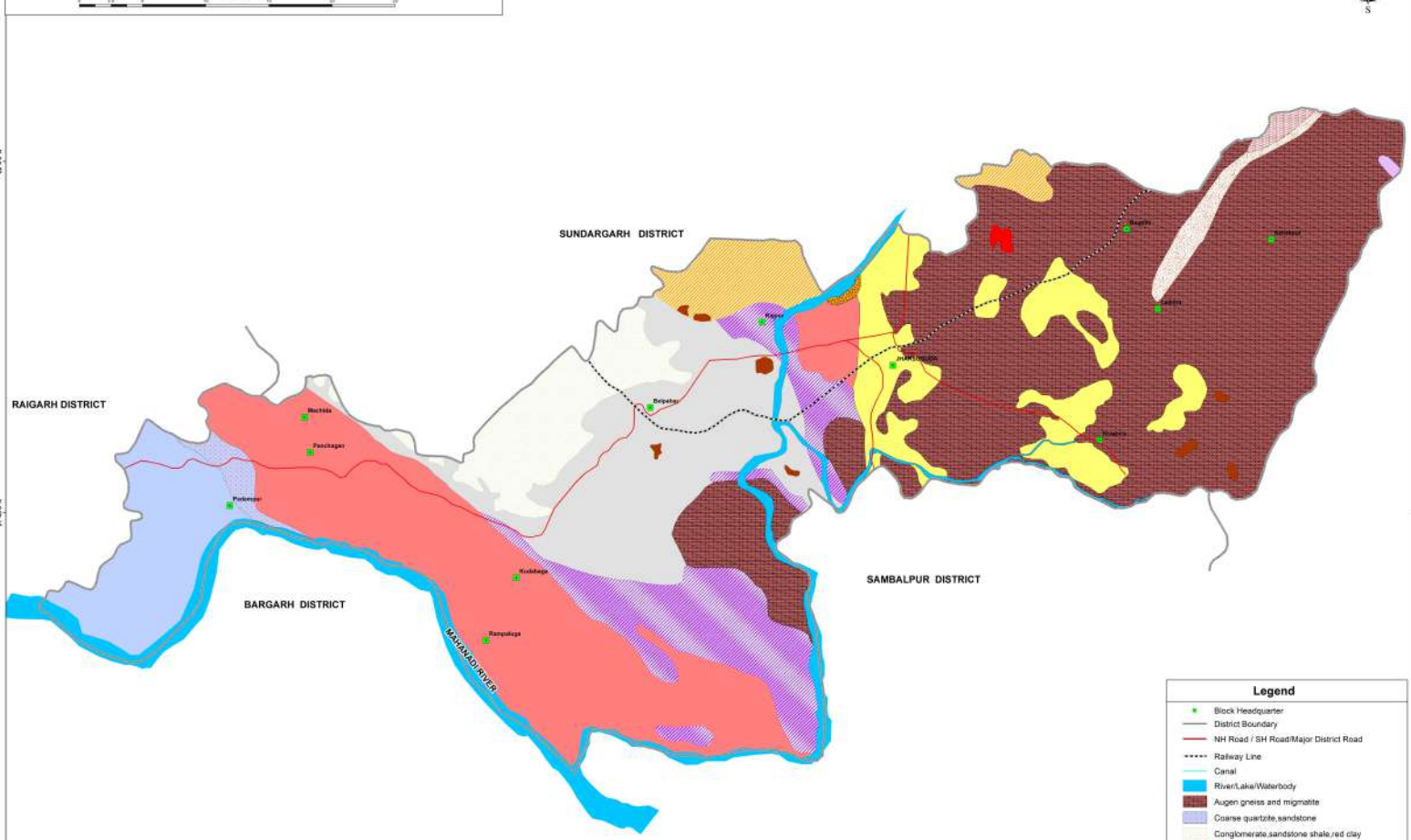
MAP SHOWING THE TAHASILS OF JHARSUGUDA DISTRICT

PLATE NO- 3

MAP SHOWING THE MAJOR ROADS OF JHARSUGUDA DISTRICT

MINERAL MAP OF JHARSUGUDA DISTRICT

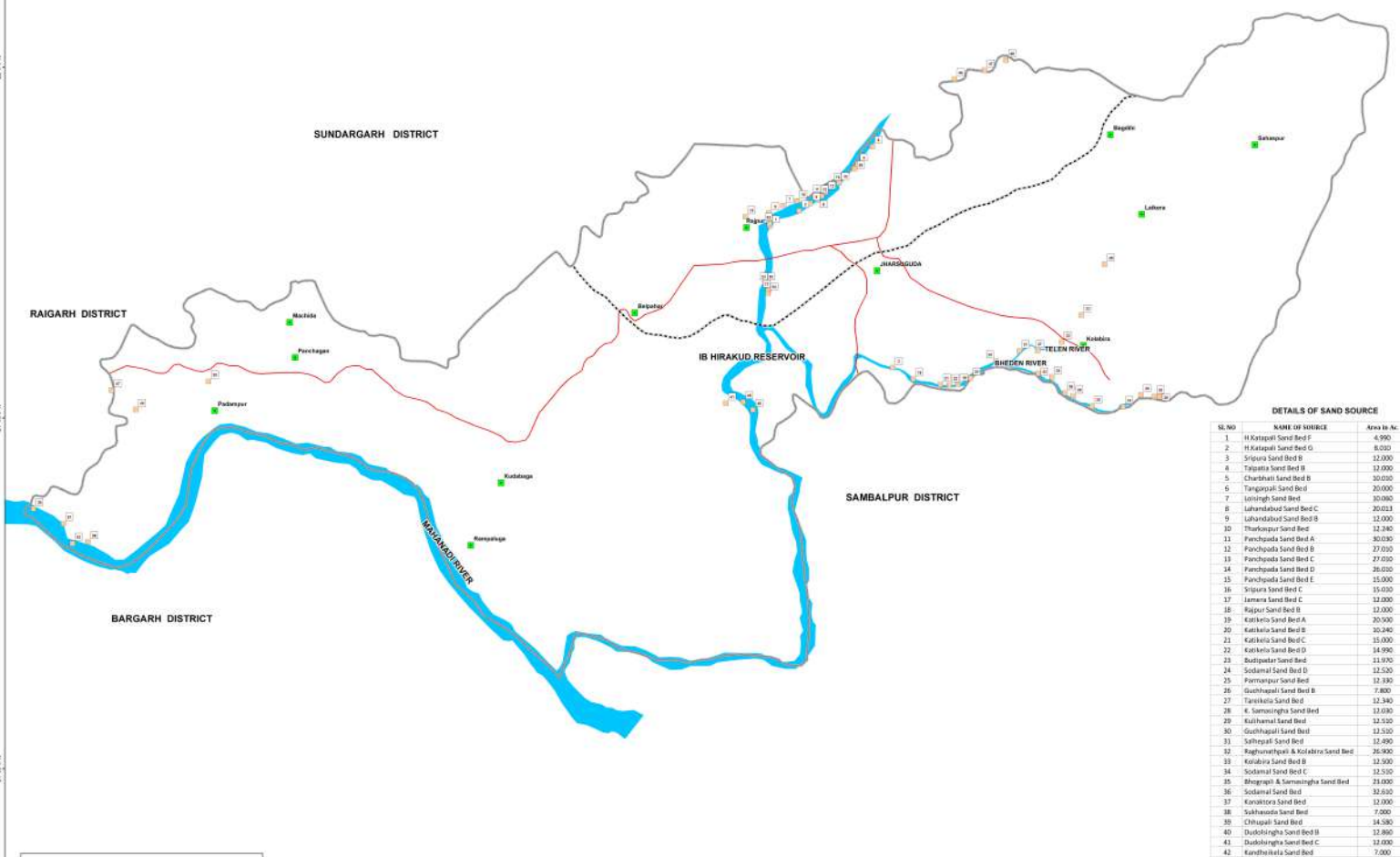
SCALE :- 1:110,000



LEASE/ POTENTIAL MAP OF SAND IN JHARSUGUDA DISTRICT

SCALE :- 1:110,000

PLATE NO-4



Legend

- Block Headquarter
- District Boundary
- NH Road / SH Road/Major District Road
- Railway Line
- River/Lake/Waterbody
- Lease Potential Area of Sand

DETAILS OF SAND SOURCE

SL NO	NAME OF SOURCE	Area In Ac.
1	H.Katapali Sand Bed F	4.990
2	H.Katapali Sand Bed G	8.010
3	Sripura Sand Bed B	12.000
4	Talpatia Sand Bed B	12.000
5	Charbhati Sand Bed B	10.010
6	Tangarpali Sand Bed	20.000
7	Loisingh Sand Bed	10.060
8	Lahandabud Sand Bed C	20.013
9	Lahandabod Sand Bed B	12.000
10	Tharkaspur Sand Bed	12.240
11	Panchpada Sand Bed A	30.030
12	Panchpada Sand Bed B	27.010
13	Panchpada Sand Bed C	27.010
14	Panchpada Sand Bed D	26.010
15	Panchpada Sand Bed E	15.000
16	Sripura Sand Bed C	15.010
17	Jamera Sand Bed C	12.000
18	Rajpur Sand Bed B	12.000
19	Katikela Sand Bed A	20.500
20	Katikela Sand Bed B	10.240
21	Katikela Sand Bed C	15.000
22	Katikela Sand Bed D	14.990
23	Budipadar Sand Bed	11.970
24	Sodamal Sand Bed D	12.520
25	Parmanpur Sand Bed	12.330
26	Gudthapali Sand Bed B	7.800
27	Tareikela Sand Bed	12.340
28	K. Samasingha Sand Bed	12.030
29	Kulihamal Sand Bed	12.510
30	Gudthapali Sand Bed	12.510
31	Salhepali Sand Bed	12.490
32	Raghunathpali & Kolabira Sand Bed	26.900
33	Kolabira Sand Bed B	12.500
34	Sodamal Sand Bed C	12.510
35	Bhagrapli & Samasingha Sand Bed	23.000
36	Sodamal Sand Bed	32.610
37	Konaktora Sand Bed	12.000
38	Sukhasada Sand Bed	7.000
39	Chhupali Sand Bed	14.580
40	Dudolsingha Sand Bed B	12.860
41	Dudolsingha Sand Bed C	12.000
42	Kandheikela Sand Bed	7.000
43	Dudolsingha Sand Bed A	12.000
44	Amapali Sand Bed	14.000
45	Dudolsingha Sand Bed D	12.000
46	Chakbuda Sand Bed	6.000
47	Sulehi Sand Bed	3.010
48	Bhaurna Sand Bed B	12.490
49	Muradipali Sand Bed	31.470
50	Luhurenkadhar Sand Bed C	15.000
51	Tumbakela Sand Bed B	15.000
52	H. Katapali Sand Bed A	8.000
53	Budipadar Sand Bed - B	10.000
54	Jamera Sand Bed - A	8.000
55	Talpatia Sand Bed	8.000
56	Kandheikela Sand Bed A	5.000
57	Sermelia Sand Bed	25.000

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)
Not applicable for Jharsuguda District		

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

Name of Reservoir/Dams	Maintain/Controlled by State Govt./PSU etc.	Location	District	Tahasil	Village	Size (Ha)
Not applicable for Jharsuguda District						

c) Patta Lands/Khatedari Land :

Owner	Sy. No	Area (Ha)	District	Tahasil	Village	Agriculture Land (Yes/No)
Not applicable for Jharsuguda District						

d) M-Sand Plants :

Plant Name	Owner	District	Tahasil	Village	Geo-location	Quantity Tonnes/Annum
Not applicable for Jharsuguda District						

Note : For inclusion of M-Sand Plant/Patta Land in DSR the plant/landowners need to submit the request to the Mining Department with complete details. Inclusion in DSR does not give them the right to operate the M-Sand Plant/Sand Mining lease.

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

SL NO	NAME OF TAHASIL	STATUS	MINERAL TYPE	NAME OF SOURCE	LAND SCHEDULE							NAME OF LESSEE	ADDRESS & CONTACT NO OF LESSEE	DATE OF REGISTRATION OF LEASE DEED	No. & DATE OF GRANT OF ENV CLEARANCE		NAME OF SUCCESSFUL BIDDER	ADDRESS & CONTACT NO OF SUCCESSFUL BIDDER	Pillor No	LATITUDE			LONGITUDE			TENTATIVE RESOURCE IN CUM.
					Village /Mouza	Khata No	Plot No	Area in Ac.	Area in Hect.	Kissam	Nadi Name				EC No	Grant Date				DEGREE	MINUTE	SECOND	DEGREE	MINUTE	SECOND	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
1	Jharsuguda	Operational	Sand	H.Katapali Sand Bed F	H.Katapali	465	1647/5825	4.99	2.02	Nadi	IB	BIKASH CHANDRA RAO	S/o - Jaydev Rao, At/Po - Baurimundagaon, P.S. - Sadar, Dist - Sun	28-10-2021	SEIAA-1736/06-2021	28-09-2021	—	—	1	21	53	12.69600	83	56	57.19200	20234
																			2	21	53	16.58400	83	56	59.10000	
																			3	21	53	16.656	83	56	58.920	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

													dergarh, Mob - 9861927777								00			00		
																		4	21	53	16.764000	83	56	58.992000		
																		5	21	53	18.168000	83	56	53.880000		
																		6	21	53	14.244000	83	56	52.188000		
2	Jharsuguda	Operational	Sand	H.Katapali Sand Bed G	H.Katapali	465	41/5808(P)	8.01	3.24	Nadi	IB	Anjali Tanty	W/o - Prem Sagr Tanty, At/Po - Panchp	20-05-2022	SIA/OR/MIN/23857/2021	12-04-2022	—	—	1	21	53	51.576000	83	58	12.468000	58058
																			2	21	53	51.75	83	58	13.58	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

													ada, P.S. /Tahasil - Jharsuguda, Mob - 9668128959									600			400	
																			3	21	53	53.016000	83	58	16.392000	
																			4	21	53	53.448000	83	58	17.544000	
																			5	21	54	0.000000	83	58	16.644000	
																			6	21	53	58.704000	83	58	11.568000	
3	Jharsu	Operati	Sand	Sripura San	Sripura	1	756	12	4.856	Nadi	Bheden	Santu	S/o - Harishan	27-10-20	SIA/OR/MIN/2642	07-	—	—	1	21	47	9.11	84	2	12.0	97124

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

	guda	onal		d Bed B							nu Kumar Padhi	kar Padhi, At - Bhukamunda, Po - Badmal, Tahasil / Dist - Jharsuguda, Mob - 8328877079	22	53/2022	06-2022										8	
																		2	21	47	4.59	84	2	34.59	
																		3	21	47	2.1	84	2	34.98	
																		4	21	47	6.61	84	2	12.6	
4	Jharsuguda	Operational	Sand	Talpatia Sand Bed B	Talpatia	269	1187(P)	12	4.856	Nadi	IB	Arjun Mundra	S/o - Ram Sagar Mundra, At - JhandaChowk, Po/P.S./Tah/Dist -	29-09-2022	SIA/OR/MIN/263775/2022	29-07-2022	—	—	1	21	55	51.33	84	0	42.51	145686
																		2	21	55	51.33	84	0	42.51	
																		3	21	55	37.5	84	0	38.00	
																		4	2	5	3	8	0	3	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

													Jharsuguda, Mob - 797863551 9						1	5	9.33	4		4.52	
5	Jharsuguda	Operational	Sand	Charbhati Sand Bed B	Charbhati	122	1731	10.01	4.05	Nadi	IB	Deepak Ray	S/o - Tarkeswar Ray, At - Laxmankhatal, Po - Lamtibahal, P.S. - Brajrajnagar, Tah /Dist - Jharsuguda,	28-01-2021	SEIAA/557/09-2020	09-12-2020	—	—	1	21	53	45.7080 0	83	56	55.2120 0
																			2	21	53	39.2640 0	83	57	5.1120 0
																			3	21	53	39.9840 0	83	57	5.6160 0
																			4	21	53	41.6760	83	57	9.0000 0	97104

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

													Mob - 9337652117									0					
																			5	21	53	47.86800	83	56	58.48800		
																			6	21	53	47.50800	83	56	58.09200		
																			7	21	53	47.36400	83	56	57.55200		
																			8	21	53	46.71600	83	56	56.43600		
																			9	21	53	46.464	83	56	56.148		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					00			00	
																		10	21	53	46.53600	83	56	55.78800	
																		11	21	53	46.46400	83	56	55.64400	
6	Jharsuguda	Operational	Sand	Tangarpali Sand Bed	Tangarpali	112	1(P)	20	8.094	Nadi	IB	Mukesh Kumar Sahar ma	S/o - Late Shiv Kumar Sharma, At - Marwadipada, Po/ P.s./ Tah /Dist -	09-02-2024	SIA/OR/MIN/21948/2018	14-05-2018	—	—	1	21	56	36.31200	84	1	20.02800	80937
																			2	21	56	36.96000	84	1	20.56800	
																			3	21	56	42.50	84	1	23.01	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

													Jharsuguda, Mob - 9937503033								400			600	
																		4	21	56	46.176000	84	1	25.716000	
																		5	21	56	51.684000	84	1	29.172000	
																		6	21	56	54.564000	84	1	31.188000	
																		7	21	56	56.040000	84	1	34.176000	
																		8	21	56	59.3	84	1	37.7	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						1600			7600	
																			9	21	57	0.93600	84	1	38.78400	
																			10	21	57	2.62800	84	1	36.55200	
																			11	21	56	59.17200	84	1	32.55600	
																			12	21	56	56.32800	84	1	29.31600	
																			13	21	56	53.	84	1	27.	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					34000			04800	
																		14	21	56	46.17600	84	1	22.58400	
																		15	21	56	37.24800	84	1	16.78800	
7	Jharsuguda	Operational In-Active	Sand	Loising Sand Bed	Loising	63	838/1031(P)	10.06	4.07	Nadi	IB	—	—	—	—	—	Shashank Yadav	S/o-Kaliprasad Yadav, At-Diphupada, Dist-Jhar	1	21	54	4.68000	83	57	32.25600	22203
																			2	21	54	4.64400	83	57	32.40000	
																			3	2	5	5.	8	5	3	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																		sugauda		1	4	4720 0	3	7	4.0920 0	
																			4	21	54	6.3360 0	83	57	34.3800 0	
																			5	21	54	6.8040 0	83	57	35.0280 0	
																			6	21	54	7.1640 0	83	57	36.0360 0	
																			7	21	54	7.5960 0	83	57	36.8640 0	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																		8	21	54	1.08000	83	57	41.22000	
																		9	21	53	57.58800	83	57	36.28800	
8	Jharsuguda	Operational In-Active	Sand	Lahandabud Sand Bed C	Lahandabud	176	380(P)	20.013	8.099	Nadi	IB	—	—	—	—	– –	Sriniba s Pradhan	S/o - Dharamu Pradhan, At - Chhualiberna, Po-Belpahar, Dist - Jhar	1	21	54	20.71672	83	58	59.61471	97125
																			2	21	54	20.03486	83	58	57.59312	
																			3	21	54	19.83995	83	58	57.45600	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			sugu da				6			7	
																				4	21	54	19.67328	83	58	56.85300	
																				5	21	54	19.02749	83	58	54.93422	
																				6	21	54	18.52638	83	58	53.45229	
																				7	21	54	17.94389	83	58	52.17916	
																				8	21	54	17.322	83	58	51.069	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						85			86	
																			9	21	54	16.440054	83	58	49.973400	
																			10	21	54	14.809773	83	58	47.594224	
																			11	21	54	20.658119	83	58	43.604454	
																			12	21	54	27.000050	83	58	54.891118	
9	Jharsugu	Operation	Sand	Lahandabud	Lahandabud	176	380/1838(P	12	4.856	Nadi	IB	—	—	—	—	—	Santunuku	S/o-HariSha	1	21	54	10.51	83	58	40.87	43908

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

	da	al In-Active		Sand Bed B			)										mar padhi	nkar Padhi, At - Sarbahal , Dist - Jharsuguda				200			200	
																			2	21	54	7.48800	83	58	36.15600	
																			3	21	54	6.37200	83	58	34.17600	
																			4	21	54	5.58000	83	58	33.27600	
																			5	21	54	12.34800	83	58	25.86000	
																			6	21	54	17.8	83	58	33.5	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						2000			6400		
10	Jharsuguda	Operational	Sand	Tharkaspur Sand Bed	Tharkaspur	32	534/646	12.24	4.95	River	IB	Pintu Seth	S/o- Labani Seth, At-Rajpur, Jharsuguda	07-08-2024	SIA/OR/MIN/469997/2024	26-07-2024	—	—	1	21	54	16.60	83	58	6.96	29641.46
																			2	21	54	17.22	83	58	8.25	
																			3	21	54	18.77	83	58	13.56	
																			4	21	54	18.17	83	58	13.89	
																			5	21	54	19.66	83	58	15.87	
																			6	21	54	13.48	83	58	18.20	
																			7	21	54	11.53	83	58	8.57	
11	Jhar	Oper	San	Panchp	Panchp	87	530/3	30.	12.15	Nadi	IB	—	—	—	—	—	RSA	Sri Shy	1	21	54	30.	83	58	52.	1650

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

	sugua	ational In-Active	d	ada Sand Bed A	ada	8	974(P)	03									INFRA PROJECT PRIVATE LIMITED	am Tower, Kavita Nagar, Avanti Vihar, Raipur, Chhatisgarh				4200000			7880000	48
																			2	21	54	20.628000	83	58	59.412000	
																			3	21	54	21.996000	83	59	0.312000	
																			4	21	54	23.940000	83	59	3.876000	
																			5	21	54	26.280000	83	59	7.296000	
																			6	2	5	2	8	5	9.	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																				1	4	8.692000	3	9	852000	
																			7	21	54	36.684000	83	59	1.688000	
																			8	21	54	34.596000	83	58	59.340000	
																			9	21	54	32.652000	83	58	56.244000	
12	Jharsuguda	Operational In-Ac	Sand	Panchpada Sand Bed B	Panchpada	878	530/3974	27.01	10.93	Nadi	IB	—	—	—	—	—	RSA INFRA PROJECT	Sri Shyam Tower, Kavi	1	21	54	29.700000	83	59	11.004000	148630.5

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

		tive															PRIVATE LIMITED	ta Nagar, Avanti Vihar, Raipur, Chhatisgarh	2	21	54	31.68000	83	59	13.05600	
																			3	21	54	33.84000	83	59	15.64800	
																			4	21	54	37.80000	83	59	19.39200	
																			5	21	54	45.18000	83	59	11.18400	
																			6	21	54	40.93200	83	59	7.04400	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					0				
																		7	21	54	37.98000	83	59	3.19200	
13	Jharsuguda	Operational In-Active	Sand	Panchpada Sand Bed C	Panchpada	878	530/3974	27.01	10.93	Nadi	IB	—	—	—	—	– –	RSA INFRA PROJECT PRIVATE LIMITED	Sri Shyam Tower, Kavita Nagar, Avanti Vihar, Raipur, Chhatisgarh	1	21	54	38.84400	83	59	20.68800	14 52 33
																			2	21	54	39.92400	83	59	22.12800	
																			3	21	54	41.36400	83	59	24.21600	
																			4	21	54	42.264	83	59	25.872	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						00			00		
																			5	21	54	43.77600	83	59	27.67200		
																			6	21	54	44.71200	83	59	29.00400		
																			7	21	54	53.06400	83	59	24.14400		
																			8	21	54	50.94000	83	59	19.17600		
																			9	21	54	49.89	83	59	17.30		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					600			400	
																		10	21	54	47.232000	83	59	13.380000	
																		11	21	54	46.692000	83	59	12.804000	
14	Jharsuguda	Operational In-Active	Sand	Panchpada Sand Bed D	Panchpada	878	530/3974	26.01	10.526	Nadi	IB	—	—	—	—	– –	TEERTH COMMERCIALS PRIVATE LIMITED	C/o - Satyaprakash Kedia near Vinayak Puram Marwar	1	21	55	1.560000	83	59	37.536000	220545
																			2	21	54	54.396000	83	59	41.964000	
																			3	21	54	53.8	83	59	41.7	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																		i Para				9200			1200	
																			4	21	54	51.98400	83	59	39.55200	
																			5	21	54	51.69600	83	59	39.76800	
																			6	21	54	51.66000	83	59	39.26400	
																			7	21	54	50.36400	83	59	37.28400	
																			8	21	54	47.	83	59	34.	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						70000			62000	
																			9	21	54	45.68400	83	59	31.92000	
																			10	21	54	54.36000	83	59	26.84400	
																			11	21	54	55.36800	83	59	28.21200	
																			12	21	54	57.16800	83	59	31.59600	
																			1	2	5	5	8	5	3	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																		3	1	4	9.0040 0	3	9	4.5480 0	
15	Jharsuguda	Operational In-Active	Sand	Panchpada Sand Bed E	Panchpada	878	530/3974	15	6.07	Nadi	IB	—	—	—	—	– –	MAHENDRA PRASAD	At - Dipu, Word No - 04, Pin 768201, Jharsuguda	1	21	55	2.8200 0	83	59	54.7440 0	72.843.48
																			2	21	55	5.5560 0	83	59	58.0920 0	
																			3	21	55	7.7160 0	84	0	2.2320 0	
																			4	21	55	9.1560 0	84	0	5.0040 0	
																			5	21	55	9.7	84	0	7.5	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						3200			6000	
																			6	21	55	11.49600	84	0	12.34800	
																			7	21	55	15.02400	84	0	8.31600	
																			8	21	55	9.19200	83	59	57.62400	
																			9	21	55	5.30400	83	59	53.12400	
16	Jhar	Non-	San	Sripura	Sripura	1	1180(	15.	6.07	Jalbh	Bhed	—	—	—	—	—	—	—	1	21	46	39.	84	3	5.1	4556

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

	su gu da	Op er ati on al	d	San d Bed C			P)	0 1		an da r	en											9 0 0 0 0			8 4 0 0	0. 25
																			2	2 1	4 6	4 1. 0 1 6 0 0	8 4	3	4. 2 4 8 0 0	
																			3	2 1	4 6	4 1. 6 2 8 0 0	8 4	3	3. 4 9 2 0 0	
																			4	2 1	4 6	4 2. 6 7 2 0 0	8 4	3	0. 7 2 0 0 0	
																			5	2 1	4 6	4 6. 6 6 8 0 0	8 4	2	5 6. 9 0 4 0 0	
																			6	2	4	4	8	2	5	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																				1	6	8.36000	4		5.75200	
																			7	21	46	50.80800	84	2	53.98800	
																			8	21	46	51.63600	84	2	53.34000	
																			9	21	46	55.12800	84	2	50.56800	
																			10	21	46	53.43600	84	2	47.65200	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																		11	21	46	48.21600	84	2	51.90000		
																		12	21	46	42.81600	84	2	56.29200		
																		13	21	46	37.56000	84	3	2.73600		
17	Jharsuguda	Non-Operational	Sand	Jamera Sand Bed C	Jamera	1	40/896(P)	12	4.856	Jalbhandar	Bheden	—	—	—	—	—	—	—	1	21	50	26.67655	83	56	53.84513	1456 86
																			2	21	50	22.00037	83	56	53.18555	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						7			5		
																			3	21	50	19.90508	83	56	52.51739		
																			4	21	50	16.72708	83	56	51.01833		
																			5	21	50	15.09952	83	56	50.23882		
																			6	21	50	12.42691	83	56	49.32225		
																			7	21	50	13.1511	83	56	46.1667		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					00			54	
																		8	21	50	27.21622	83	56	49.15093	
18	Jharsuguda	Non-Operational	Sand	Rajpur Sand Bed B	Rajpur	188 (AAA)	594	12	4.856	Nadi	Basundhara Nala	—	—	—	—	—	—	—	1	21	53	36.00396	83	55	54.51603	48562
																		2	21	53	29.67964	83	55	54.01663	
																		3	21	53	29.26847	83	55	55.34608	
																		4	21	53	29.12	83	55	56.23	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						456			010		
																			5	21	53	28.576333	83	55	57.566640		
																			6	21	53	27.939901	83	55	59.601770		
																			7	21	53	27.186227	83	56	1.464770		
																			8	21	53	34.446665	83	56	3.683342		
																			9	21	53	35.1	83	56	2.72		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					8590			231	
																		10	21	53	35.991111	83	55	59.899980	
																		11	21	53	36.226668	83	55	57.531228	
19	Jharsuguda	Non-Operational	Sand	Katikela Sand Bed A	Katikela	244	2016, 2062, 2063, 2064, 2065, 2066, 2125, 2135	0.51, 0.5. 0.3, 0.5, 1.39, 0.2, 0.2	0.21, 0.2, 0.12, 0.2, 0.56, 0.08, 0.1, 6.83 **(Total 8.3**	Nadi	Bhedden	—	—	—	—	—	—	—	1	21	46	26.724992	84	4	59.663227	61126
																		2	21	46	27.261331	84	5	2.615331	
																		3	21	46	27.	84	5	5.1	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

								4,16.86 **(Total 20.50)**	**)**													80991			4931		
																			4	21	46	28.42284	84	5	7.00052		
																			5	21	46	29.28091	84	5	8.90475		
																			6	21	46	30.21928	84	5	10.66200		
																			7	21	46	30.63961	84	5	11.37171		
																			8	2	4	3	8	5	1		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																				1	6	0.84911	4		1.93890		
																			9	21	46	31.34202	84	5	13.27337		
																			10	21	46	31.97591	84	5	13.85586		
																			11	21	46	34.51811	84	5	17.70939		
																			12	21	46	36.36174	84	5	20.41746		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			13	21	46	33.329335	84	5	23.004441		
																			14	21	46	29.21764	84	5	17.435661		
																			15	21	46	26.97333	84	5	13.478996		
																			16	21	46	25.31796	84	5	9.122295		
																			17	21	46	23.51333	84	5	1.350664		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					2				
																		18	21	46	23.53949	84	4	59.678663	
20	Jharsuguda	Operational In-Active	Sand	Katikela Sand Bed B	Katikela	244	2125(P), 2135(P)	1.23,9.01 **(Total 10.24 Acre)**	0.50,3.64**(Total 4.14)**	Nadi	Bheden	—	—	—	—	– –	Santunu kumar padhi	S/o - Hari Shankar Padhi, At - Sarbahal , Dist - Jharsuguda	1	21	46	42.188808	84	5	32.023533	48597
																			2	21	46	38.611175	84	5	29.025541	
																			3	21	46	34.285889	84	5	24.335549	
																			4	21	46	33.7760	84	5	23.5880	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						28			76		
																			5	21	46	36.91995	84	5	21.03756		
																			6	21	46	37.69175	84	5	21.77167		
																			7	21	46	38.19887	84	5	22.47751		
																			8	21	46	39.98746	84	5	24.73895		
																			9	21	46	41.49	84	5	26.02		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					508			729	
																		10	21	46	44.69365	84	5	29.17531	
21	Jharsuguda	Non-Operational	Sand	Katikela Sand Bed C	Katikela	244	300/2143(P)	15	6.07	Nadi	Bheden	—	—	—	—	—	—	—	1	21	46	25.79	84	4	15.15	38214
																			2	21	46	24.89	84	4	17.94	
																			3	21	46	25.23	84	4	18.99	
																			4	21	46	23.15	84	4	27.48	
																			5	21	46	24.76	84	4	40.64	
																			6	21	46	22.5	84	4	40.63	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																		7	21	46	21.85	84	4	38.12	
																		8	21	46	21.18	84	4	27.3	
																		9	21	46	22.62	84	4	14.45	
22	Jharsuguda	Non-Operational	Sand	Katikela Sand Bed D	Katikela	244	300/2143	14.99	6.07	Nadi	Bheden	—	—	—	—	—	—	—	1	21	46	24.65659	84	4	37.80036	57770
																		2	21	46	24.11693	84	4	34.28828	
																		3	21	46	23.63723	84	4	32.38661	
																		4	2	4	2	8	4	2	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																				1	6	3.3288 6	4		9.0801 1		
																			5	21	46	23.2774 6	84	4	27.6067 5		
																			6	21	46	23.7742 9	84	4	25.6879 5		
																			7	21	46	23.9113 5	84	4	23.8890 8		
																			8	21	46	24.8793 1	84	4	20.6168 5		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			9	21	46	25.36758	84	4	19.43473	
																			10	21	46	25.13629	84	4	18.12412	
																			11	21	46	25.90582	84	4	16.08404	
																			12	21	46	25.98433	84	4	15.10030	
																			13	21	46	26.2173	84	4	14.4899	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						7			8		
																			14	21	46	22.4394 2	84	4	14.2463 2		
																			15	21	46	21.9571 7	84	4	17.9490 0		
																			16	21	46	21.0502 8	84	4	25.4738 0		
																			17	21	46	20.8447 0	84	4	30.0737 8		
																			18	21	46	21.410	84	4	34.673		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					06			75	
																		19	21	46	21.78696	84	4	38.14300	
23	Jharsuguda	New	Sand	Budipadar Sand Bed	Budipadar	91(AAA)	838/939(P)	11.97	4.844	Nadi	IB	—	—	—	—	—	—	—	—	—	—	—	—	—	58129.09
24	Kolabira	Operational	Sand	Sodamal Sand Bed D	Sodamal	491(AAA)	1(P)	12.52	5.07	Nadi	Bhedeen	Satyabrat Pattnaik,	S/o - Prafulla Pattnaik, Po/PS - Jatani, Dist - Khordha, Mob - 943	16-09-2022	SIA/OR/MIN/279935/2022	17-08-2022	—	—	1	21	46	44.94000	84	9	0.93600
																			2	21	46	43.82400	84	9	3.60000
																			3	21	46	42.0240	84	9	6.6240

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

													7000101									00			0		
																			4	21	46	39.54000	84	9	9.50400		
																			5	21	46	35.72400	84	9	12.74400		
																			6	21	46	34.78800	84	9	13.28400		
																			7	21	46	36.98400	84	9	15.22800		
																			8	21	46	40.87	84	9	12.78		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					200			000	
																		9	21	46	44.4720 0	84	9	9.2160 0	
																		10	21	46	46.5240 0	84	9	6.3000 0	
																		11	21	46	48.2160 0	84	9	2.0520 0	
25	Kolabira	Operational	Sand	Parmanpur Sand Bed	Parmanpur	268(AAA)	294/3703(P), 3623 (P)	7.16, 5.17 **(Total 1**	2.9, 2.09 **(Total 4.99)**	Nadi	Bheden	Aswinikumar Patel	S/o - Jagadanand a Patel, Village -	15-01-2022	SEIAA-1803/08-2021	08-10-2021	—	—	1	21	47	25.6200 0	84	6	37.6560 0	38529
																			2	21	47	27.4	84	6	40.5	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

								2.33)					Marapatra, PS - Katarbaga, Dist - Sambalpur, Mob - 9348930621								9200			7200	
																		3	21	47	28.06800	84	6	40.68000	
																		4	21	47	29.86800	84	6	43.66800	
																		5	21	47	30.66000	84	6	44.74800	
																		6	21	47	30.48000	84	6	45.10800	
																		7	21	47	30.	84	6	46.	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					62400			40400		
																			8	21	47	30.30000	84	6	47.41200	
																			9	21	47	30.33600	84	6	48.24000	
																			10	21	47	30.15600	84	6	48.85200	
																			11	21	47	29.94000	84	6	50.90400	
																			1	2	4	2	8	6	5	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			2	1	7	8.14000	4		3.82000	
																			13	21	47	27.24000	84	6	54.93600	
																			14	21	47	27.45600	84	6	55.11600	
																			15	21	47	26.41200	84	6	57.52800	
																			16	21	47	26.59200	84	7	2.49600	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			17	21	47	27.24000	84	7	3.79200		
																			18	21	47	26.01600	84	7	4.29600		
																			19	21	47	24.93600	84	7	0.08400		
																			20	21	47	25.51200	84	6	55.94400		
																			21	21	47	27.34800	84	6	52.84800		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						0			0		
																			22	21	47	28.50000	84	6	49.86000		
																			23	21	47	28.60800	84	6	47.41200		
																			24	21	47	27.96000	84	6	45.57600		
																			25	21	47	26.30400	84	6	43.52400		
																			26	21	47	24.684	84	6	42.516		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					00			00	
																		27	21	47	23.78400	84	6	41.47200	
																		28	21	47	22.45200	84	6	39.16800	
26	Kolabira	Operational	Sand	Guchhapali Sand Bed B	Guchhapali	153	1(P)	7.8	3.16	Nadi	Bheden	Ajay Kumar Sahu	S/o - Shibanarayan Sahu, PS - Kolabira, Dist - Jharsuguda, Mob -	02-12-2021	SEIAA-1191/01-2021	24-05-2021	—	—	1	21	45	44.58	84	12	55.58	50880
																		2	21	45	45.74	84	12	52.95	
																		3	21	45	46.54	84	12	53.23	
																		4	21	45	47.24	84	12	53.57	
																		5	21	45	48.	84	12	54.	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

													9937210945								09			29			
																			6	21	45	49.33	84	12	54.82		
																			7	21	45	49.88	84	12	55.35		
																			8	21	45	50.71	84	12	56.42		
																			9	21	45	51.80	84	12	57.92		
																			10	21	45	52.42	84	12	58.81		
																			11	21	45	53.00	84	12	59.71		
																			12	21	45	53.93	84	13	1.61		
																			13	21	45	54.40	84	13	2.60		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			14	21	45	54.98	84	13	4.82	
																			15	21	45	52.86	84	13	4.56	
																			16	21	45	52.72	84	13	4.19	
																			17	21	45	52.41	84	13	2.92	
																			18	21	45	52.22	84	13	2.32	
																			19	21	45	51.29	84	13	1.24	
																			20	21	45	50.05	84	13	59.89	
																			21	21	45	48.93	84	12	58.70	
																			22	21	45	48.	84	12	57.	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					10			91		
																		23	21	45	47.22	84	12	57.20		
																		24	21	45	46.32	84	12	56.49		
																		25	21	45	45.17	84	12	55.87		
27	Kolabira	Operational	Sand	Tareikela Sand Bed	Tareikela	178(AAA)	64(P)	12.34	5.00	Nadi	Telen	Kirti Chandra Bohidar	S/o - Nabin Kumar Bohidar, Village - Kolabira, PS - Kolabira, Dist - Jharsuguda,	17-03-2021	SEIAA-837/11-2020	08-02-2021	—	—	1	21	47	52.80000	84	8	24.57600	55140
																			2	21	47	53.41200	84	8	25.76400	
																			3	21	47	53.70000	84	8	28.32000	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

													Mob - 9437052445									0			0		
																			4	21	47	54.13200	84	8	28.93200		
																			5	21	47	56.14800	84	8	34.72800		
																			6	21	47	56.32800	84	8	35.70000		
																			7	21	47	56.58000	84	8	35.73600		
																			8	21	47	57.084	84	8	37.608		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						00			00		
																			9	21	47	56.68800	84	8	41.24400		
																			10	21	47	56.14800	84	8	41.42400		
																			11	21	47	55.28400	84	8	44.01600		
																			12	21	47	54.31200	84	8	44.88000		
																			13	21	47	53.62	84	8	46.10		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						800			400		
																			14	21	47	52.47600	84	8	47.00400		
																			15	21	47	50.06400	84	8	49.63200		
																			16	21	47	48.55200	84	8	50.64000		
																			17	21	47	46.64400	84	8	51.28800		
																			18	21	47	47.1	84	8	52.5		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						4800			8400	
																			19	21	47	51.21600	84	8	50.85600	
																			20	21	47	53.23200	84	8	49.34400	
																			21	21	47	55.03200	84	8	47.40000	
																			22	21	47	57.26400	84	8	43.15200	
																			23	21	47	58.	84	8	40.	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																								16400			30800
																			24	21	47	58.34400	84	8	36.52800
																			25	21	47	57.69600	84	8	32.71200
																			26	21	47	56.07600	84	8	27.96000
																			27	21	47	54.74400	84	8	25.51200
																			2	2	4	5	8	8	2

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																		8	1	7	4.3840 0	4		4.2160 0	
28	Kolabira	Operational In-Active	Sand	K. Samasingha Sand Bed	Samasingha	490	1650(P)	12.03	4.87	Nadi	Bheden	—	—	—	—	—	PRIYANANDA PATEL	S/O-Chakradhar patel, At-Panchpda, Dist-Jharsuguda	1	21	45	55.5480 0	84	9	55.5480 0	48563
																			2	21	45	51.9840 0	84	9	57.8160 0	
																			3	21	45	48.8880 0	84	9	59.4360 0	
																			4	21	45	47.3400 0	84	10	0.4800 0	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			5	21	45	44.85600	84	10	3.46800	
																			6	21	45	43.41600	84	10	5.37600	
																			7	21	45	42.73200	84	10	7.14000	
																			8	21	45	42.26400	84	10	8.79600	
																			9	21	45	39.7080	84	10	7.53600	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					0					
																			10	21	45	41.76000	84	10	3.54000	
																			11	21	45	46.72800	84	9	57.88800	
																			12	21	45	51.84000	84	9	53.85600	
																			13	21	45	54.32400	84	9	52.81200	
29	Kolabira	Operational	Sand	Kulihamal Sand	Kulihamal	226(AA	2605(P)	12.51	5.06	Nadi	Bhedden	—	—	—	—	—	Ajay umar Sah	At/Po - Samasing	1	21	45	54.612	84	13	37.632	21405

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

		In-Active		Bed		A)											u	ha, P.S.-Kolabira, Dist-Jharsuguda				00			00	
																			2	21	45	56.05200	84	13	32.55600	
																			3	21	45	56.70000	84	13	29.13600	
																			4	21	45	57.16800	84	13	23.98800	
																			5	21	45	57.38400	84	13	18.73200	
																			6	21	45	57.06	84	13	15.85	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					000			200		
																			7	21	45	57.27600	84	13	11.89200	
																			8	21	45	55.11600	84	13	11.96400	
																			9	21	45	54.90000	84	13	25.32000	
																			10	21	45	53.82000	84	13	31.08000	
																			11	21	45	52.3	84	13	35.9	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					8000			4600	
30	Kolabira	Non-Operational	Sand	Guchhapali Sand Bed	Guchhapali	153 (AAA)	6411/2097 (P), 1153/2098 (P)	**6.11, 6.4 (Total 12.51)**	**2.47, 2.59 (Total 5.06)**	Nadi	Bheden	—	—	—	—	—	—	—	1	21	45	55.08000	84	13	23.62800	51618
																			2	21	45	54.10800	84	13	29.82000	
																			3	21	45	52.52400	84	13	35.90400	
																			4	21	45	49.17600	84	13	42.31200	
																			5	21	45	47.	84	13	44.	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																								70000			07600
																			6	21	45	45.86400	84	13	46.92000
																			7	21	45	43.81200	84	13	45.80400
																			8	21	45	45.07200	84	13	43.10400
																			9	21	45	46.26000	84	13	42.78000
																			1	2	4	4	8	1	4

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			0	1	5	7.7720 0	4	3	1.2320 0	
																			11	21	45	50.2920 0	84	13	34.3200 0	
																			12	21	45	52.1640 0	84	13	28.5960 0	
																			13	21	45	52.7400 0	84	13	25.3920 0	
																			14	21	45	52.4520 0	84	13	24.2400 0	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																		15	21	45	52.12800	84	13	23.98800	
																		16	21	45	52.34400	84	13	23.48400	
31	Kolabira	Non-Operational	Sand	Salhepali Sand Bed	Salhepali	113 (AAA)	1(P)	12.49	5.055	Nadi	Telen	—	—	—	—	—	—	—	1	21	47	51.93600	84	7	37.38000	32354
																			2	21	47	50.85600	84	7	35.79600	
																			3	21	47	48.40800	84	7	34.75200	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						0			0		
																			4	21	47	45.70800	84	7	33.13200		
																			5	21	47	41.17200	84	7	29.38800		
																			6	21	47	37.60800	84	7	25.06800		
																			7	21	47	35.41200	84	7	20.92800		
																			8	21	47	32.8220	84	7	14.772		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						00			00		
																			9	21	47	29.32800	84	7	10.70400		
																			10	21	47	26.73600	84	7	7.82400		
																			11	21	47	25.29600	84	7	5.62800		
																			12	21	47	26.23200	84	7	4.94400		
																			13	21	47	26.91	84	7	6.024		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						600			00		
																			14	21	47	31.63200	84	7	10.84800		
																			15	21	47	34.69200	84	7	16.21200		
																			16	21	47	36.67200	84	7	21.07200		
																			17	21	47	40.12800	84	7	26.11200		
																			18	21	47	44.3	84	7	30.3		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					0 4 0 0			9 6 0 0	
																		19	21	47	48. 2 6 4 0 0	84	7	32. 5 5 6 0 0	
																		20	21	47	51. 6 4 8 0 0	84	7	34. 9 6 8 0 0	
																		21	21	47	54. 1 3 2 0 0	84	7	37. 4 5 2 0 0	
32	Kolabira	Non-Operational	Sand	Raghunathpali & Kolabira San	Kolabira, Raghunathpali	217, 217, 217,	4, 40, 41, 2102(P)	10.19, 2.98, 4.0	4.12, 1.21, 1.62, 3.93 **(To**	Nadi	Telen	—	—	—	—	—	—	—	1	21	48	15. 0 8 4 0 0	84	9	26. 1 7 2 0 0	34551
																			2	21	48	12.	84	9	27.	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

				d Bed		272		1,9.72 **(Total 26.9)**	**tal 10.88)**													13200			54000	
																			3	21	48	8.85600	84	9	22.28400	
																			4	21	48	3.34800	84	9	16.41600	
																			5	21	48	1.54800	84	9	12.02400	
																			6	21	47	59.49600	84	9	9.64800	
																			7	2	4	5	8	9	6.	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																				1	7	8.128000	4		408000	
																			8	21	47	55.896000	84	9	4.140000	
																			9	21	47	51.936000	84	9	2.952000	
																			10	21	47	49.164000	84	9	3.168000	
																			11	21	47	46.716000	84	9	2.268000	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			12	21	47	43.51200	84	9	7.02000		
																			13	21	47	43.98000	84	9	7.34400		
																			14	21	47	47.18400	84	9	6.40800		
																			15	21	47	49.23600	84	9	10.65600		
																			16	21	47	47.9760	84	9	14.5440		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						0			0		
																			17	21	47	45.70800	84	9	15.40800		
																			18	21	47	45.60000	84	9	17.64000		
																			19	21	47	44.73600	84	9	20.77200		
																			20	21	47	42.36000	84	9	23.11200		
																			21	21	47	39.0884	84	9	22.6880		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						00			00		
																			22	21	47	37.35600	84	9	22.42800		
																			23	21	47	36.45600	84	9	23.65200		
																			24	21	47	36.20400	84	9	23.68800		
																			25	21	47	36.52800	84	9	22.60800		
																			26	21	47	37.42	84	9	22.06		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						800			800		
																			27	21	47	42.03600	84	9	22.57200		
																			28	21	47	43.87200	84	9	21.31200		
																			29	21	47	44.91600	84	9	18.64800		
																			30	21	47	45.16800	84	9	15.44400		
																			31	21	47	47.3	84	9	13.6		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						6400			8000		
																			32	21	47	48.5520	84	9	10.6200		
																			33	21	47	47.4360	84	9	7.3440		
																			34	21	47	44.3040	84	9	7.9920		
																			35	21	47	43.2600	84	9	7.5960		
																			36	21	47	46.	84	9	0.7		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																							75200			5600	
																			37	21	47	48.51600	84	9	1.51200		
																			38	21	47	55.71600	84	9	2.37600		
																			39	21	47	56.61600	84	9	3.34800		
																			40	21	47	57.51600	84	9	2.70000		
																			4	2	4	0.	8	9	6.		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			1	1	8	61200	4		40800	
																			42	21	48	4.50000	84	9	10.80000	
																			43	21	48	7.84800	84	9	15.22800	
																			44	21	48	9.36000	84	9	17.85600	
																			45	21	48	11.34000	84	9	20.26800	
																			4	2	4	1	8	9	2	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																		6	1	8	3.17600	4		3.22000	
33	Kolabira	Non-Operational	Sand	Kolabira Sand Bed B	Kolabira	217	1494/1986 (P)	12.5	5.06	Nadi	Telen	—	—	—	—	—	—	—	1	21	49	24.03930	84	10	16.70437
																		2	21	49	22.92571	84	10	13.06380	58017
																		3	21	49	23.08632	84	10	12.04658	
																		4	21	49	22.95783	84	10	10.95441	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			5	21	49	22.74368	84	10	10.00143	
																			6	21	49	22.41175	84	10	9.41251	
																			7	21	49	22.21901	84	10	8.53449	
																			8	21	49	21.23391	84	10	7.32454	
																			9	21	49	20.32370	84	10	4.72260	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						7					
																			10	21	49	20.55934	84	10	4.20863		
																			11	21	49	20.38808	84	10	2.82736		
																			12	21	49	19.85264	84	10	1.69235		
																			13	21	49	17.10079	84	9	59.91490		
																			14	21	49	16.169	84	9	59.807		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						23			82		
																			15	21	49	13.59941	84	9	58.97263		
																			16	21	49	8.65251	84	10	1.78872		
																			17	21	49	7.59246	84	10	3.54476		
																			18	21	49	5.12346	84	10	6.35601		
																			19	21	49	2.00311	84	10	8.91997		
																			2	2	4	1.	8	1	9.		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			0	1	9	51843	4	0	082611		
																			21	21	49	0.85515	84	10	7.930669		
																			22	21	49	4.44444	84	10	5.279339		
																			23	21	49	6.45746	84	10	3.095505		
																			24	21	49	7.98864	84	10	0.236112		
																			25	21	49	12.046	84	9	58.2112		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						82			39		
																			26	21	49	14.434660	84	9	57.805550		
																			27	21	49	20.077750	84	9	59.957773		
																			28	21	49	22.140222	84	10	2.950051		
																			29	21	49	23.781771	84	10	9.529444		
																			30	21	49	25.22	84	10	16.66		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					784			154		
34	Kolabira	Non-Operational	Sand	Sodamal Sand Bed C	Sodamal	491	3424(P)	12.51	5.06	Nadi	Bhedeen	—	—	—	—	—	—	—	1	21	45	28.56065	84	12	3.31694	64748
																			2	21	45	27.94329	84	12	2.86579	
																			3	21	45	26.72006	84	12	3.19987	
																			4	21	45	25.86921	84	12	2.09343	
																			5	21	45	21.8	84	12	0.20	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						2603			890		
																			6	21	45	19.05686	84	11	58.62559		
																			7	21	45	17.91991	84	11	57.46776		
																			8	21	45	17.13748	84	11	57.17660		
																			9	21	45	12.81581	84	11	52.54763		
																			10	21	45	15.	84	11	50.		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						28283			90294	
																			11	21	45	16.232522	84	11	52.14616	
																			12	21	45	18.96681	84	11	54.96268	
																			13	21	45	28.05629	84	11	59.49808	
																			14	21	45	29.76066	84	12	0.21134	
3	Ko	No	Sa	Bho	Bho	8	63	1	9.3	Na	Bh	__	__	__	__	_	__	__	1	2	4	3	8	1	4	13

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

5	labira	n-Operational	nd	grapli & Samasingha Sand Bed	grapali, Samasingha	3,490	8/1112(P), 1651(P)	6,7 **(Total 23)**	078	di	eden					_				1	5	0.42082	4	0	3.98783	9080
																			2	21	45	27.98859	84	10	47.19946	
																			3	21	45	26.00120	84	10	49.98156	
																			4	21	45	25.25133	84	10	51.77232	
																			5	21	45	25.01610	84	10	51.55771	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			6	21	45	23.704077	84	10	56.06632	
																			7	21	45	20.570100	84	11	0.81324	
																			8	21	45	17.921998	84	11	3.12047	
																			9	21	45	13.591184	84	11	8.478854	
																			10	21	45	11.61445	84	11	7.268668	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						7					
																			11	21	45	12.55106	84	11	5.18917		
																			12	21	45	17.62788	84	10	58.41698		
																			13	21	45	19.57217	84	10	55.04856		
																			14	21	45	22.58620	84	10	48.69094		
																			15	21	45	22.791	84	10	48.433		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						78			96		
																			16	21	45	23.19582	84	10	48.95149		
																			17	21	45	27.15762	84	10	43.72619		
																			18	21	45	28.16270	84	10	41.85522		
																			19	21	45	29.07894	84	10	40.10638		
																			20	21	45	31.43	84	10	42.24		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					094			457	
36	Kolabira	Non-Operational	Sand	Sodamal Sand Bed	Sodamal	491	423(P), 913, 3361(P)	14.53, 15, 3.08 **(Total 32.61)**	5.88, 6.07, 1.24**(Total 13.19)**	Nadi	Bheden	—	—	—	—	––	—	—	1	21	46	4.12951	84	9	33.854119	30574
																			2	21	46	2.99879	84	9	34.882111	
																			3	21	46	1.68818	84	9	41.889115	
																			4	21	46	0.54033	84	9	45.96660	
																			5	21	45	58.8	84	9	49.1	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						0142			3604		
																			6	21	45	55.64055	84	9	52.75948		
																			7	21	45	51.66589	84	9	54.53908		
																			8	21	45	47.00810	84	9	58.35098		
																			9	21	45	42.15757	84	10	3.52273		
																			10	21	45	40.	84	10	7.4		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					10171			4171	
																			11	21	45	39.81261	84	10	7.48454	
																			12	21	45	38.46345	84	10	13.14884	
																			13	21	45	35.89936	84	10	12.34278	
																			14	21	45	37.23208	84	10	7.44171	
																			1	2	4	3	8	1	6.	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			5	1	5	7.10359	4	0	85279		
																			16	21	45	40.86195	84	10	1.25273		
																			17	21	45	41.73997	84	9	59.17546		
																			18	21	45	42.42526	84	9	58.65079		
																			19	21	45	48.45362	84	9	52.33332		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			20	21	45	52.61673	84	9	49.36732	
																			21	21	45	53.79884	84	9	49.73994	
																			22	21	45	55.39213	84	9	48.82766	
																			23	21	45	57.15245	84	9	46.33494	
																			24	21	45	56.53557	84	9	45.91109	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						0			2		
																			25	21	45	56.72843	84	9	45.55114		
																			26	21	45	57.31949	84	9	45.71818		
																			27	21	45	57.69212	84	9	45.49975		
																			28	21	45	58.56585	84	9	41.25526		
																			29	21	45	59.131	84	9	39.216		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						21			54	
																			30	21	46	0.043500	84	9	36.873722	
																			31	21	46	0.086333	84	9	35.627336	
																			32	21	46	1.731101	84	9	32.397996	
																			33	21	46	1.409779	84	9	32.594498	
37	Lakhanpu	Operation	Sand	Kanaktora San	Kanaktora	196(AJ	1115/2081(	12	4.86	Nadi	Kelo	Sunil Kum	R/o & P.o.-	16-09-2022	EC22B001OR110952	17-0	—	—	1	21	46	11.52	83	28	48.15	90852

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

	r	al		d Bed		A)	P)					ar Pradhan	Mujaguda, P.S. - Bhanjanagar, Dist - Ganjam, Pin - 761132, Mob - 9439834075			8-2022			2	21	46	12.52	83	28	50.83	
																			3	21	46	9.19	83	28	52.40	
																			4	21	46	5.09	83	28	55.10	
																			5	21	46	1.79	83	28	56.40	
																			6	21	45	59.69	83	28	57.20	
																			7	21	45	58.59	83	28	57.60	
																			8	21	45	57.49	83	28	58.20	
																			9	21	45	54.89	83	28	58.60	
																			10	21	45	53.	83	28	57.	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					59			60	
																		11	21	46	2.19	83	28	52.90	
																		12	21	46	6.39	83	28	50.60	
																		13	21	46	8.79	83	28	49.30	
38	Lakhanpur	Operational	Sand	Sukhasoda Sand Bed	Sukhasoda	1	977/1029(P)	7	2.833	Jalabhandar	Mahanadi River	Rabindra Behera	R/o & P.o. Pithinda, P.S. - Rengali, Dist - Jharsuguda, Pin - 768226 (Mob - 993	03-03-2021	SEIAA-740/10-2020	22-01-2021	—	—	1	21	41	7	83	25	27.9	3399 3.6
																		2	21	41	3	83	25	25.4	
																		3	21	40	59.9	83	25	31.5	
																		4	21	41	3.7	83	25	34.1	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

												8173046)													
39	Lakhanpur	Operational	Sand	Chhupali Sand Bed	Chhuipali	1	1(P), 3(P)	10.51, 4.07 (**Total 14.58)**	5.9	Jalabhandar	Kelo	Shree Balaji Engicons Ltd. Director - Sushil Kumar Agrawal	R/o & P.O - Belpahar, P.S. - ,Belpahar, Dist - Jharsuguda, Pin 768217, Mob - 9937090719	10-06-2022	EC22B001OR110669	06-05-2022	—	—	1	21	46	33.86	83	32	57.22	855518
																			2	21	46	36.92	83	32	57.13	
																			3	21	46	38.25	83	32	58.55	
																			4	21	46	38.74	83	32	59.07	
																			5	21	46	39.39	83	32	59.59	
																			6	21	46	41.12	83	33	0.55	
																			7	21	46	43.40	83	33	1.69	
																			8	21	46	44.5	83	33	2.31	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					5					
																		9	21	46	45.66	83	33	2.75		
																		10	21	46	50.36	83	33	4.52		
																		11	21	46	52.46	83	33	5.62		
																		12	21	46	53.77	83	33	6.38		
																		13	21	46	55.00	83	33	7.1		
																		14	21	46	54.83	83	33	10.19		
																		15	21	46	40.98	83	33	3.95		
40	Lakhanpur	Operational	Sand	Dudolsingha San	Dudolsingha	1	276/540 (P), 27	7.40,5.4	3,2.21 **(Total**	Jalabhandar	IB (Hirakud	—	—	—	—	—	Mrutyunjaya Pru	At - Gudhiali, PO-	1	21	45	20.935	83	56	14.02	56101

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

		In-Active		d Bed B			6/541(P)	**6(Total 12.86)**	**5.21)**		Reservoir)						seth	Dusolsingha, Dist-Jharsuguda				39			688	
																			2	21	45	17.02716	83	56	16.501888	
																			3	21	45	16.859666	83	56	15.440028	
																			4	21	45	10.512664	83	56	17.530082	
																			5	21	45	10.020009	83	56	12.87447	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																								4		
																			6	21	45	10.876700	83	56	12.607005	
																			7	21	45	10.865999	83	56	12.157333	
																			8	21	45	11.337112	83	56	11.996722	
																			9	21	45	12.150990	83	56	12.360788	
																			1	2	4	1	8	5		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			0	1	5	2.76123	3	6	12.30724		
																			11	21	45	16.65879	83	56	9.38407		
																			12	21	45	16.65879	83	56	9.18063		
																			13	21	45	19.18341	83	56	8.03473		
																			14	21	45	19.60333	83	56	7.67008		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					7			6	
41	Lakhanpur	Operational In-Active	Sand	Dudolsingha Sand Bed C	Dudolsingha	1	276/541(P), 276/542(P)	9.09, 2.91 **(Total 12)**	3.68, 1.18 **(Total 4.86)**	Jalabhandar	IB (Hiraku d Reservoir)	—	—	—	—	—	Mrutyunjaya Pruseth	At - Gudhiali, PO- Dusolsingha, Dist - Jharsuguda	1	21	45	37.22400	83	55	5.02800	49764
																			2	21	45	38.01600	83	56	5.02800
																			3	21	45	38.26800	83	56	7.80000
																			4	21	45	32.14800	83	56	10.57200
																			5	21	45	32.0776	83	56	10.176

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						00			00		
																			6	21	45	31.68000	83	56	10.39200		
																			7	21	45	30.45600	83	55	59.59200		
																			8	21	45	30.96000	83	55	59.41200		
																			9	21	45	32.00400	83	55	58.65600		
																			10	21	45	32.97	83	56	9.852		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					600			00	
																		11	21	45	34.596000	83	56	8.880000	
																		12	21	45	34.164000	83	56	0.420000	
42	Lakhanpur	Non-Operational	Sand	Kandheikela Sand Bed	Kandheikela	1	3682/4550(P), 3698/4585(P)	3.50, 3.50 (**Total 7)**	2.83	Jalabhandar	Mahanadi River	—	—	—	—	—	—	—	1	21	39	37.9	83	27	8.1	28328
																			2	21	39	35.6	83	27	18.1	
																			3	21	39	32.1	83	27	18.5	
																			4	21	39	34.4	83	27	9.5	
43	Lakhanpur	Non-Operati	Sand	Dudolsingha San	Dudolsingha	1	276/541(P)	12	4.856	Jalabhandar	IB (Hirakud	—	—	—	—	—	—	—	1	21	45	18.93	83	56	781	58,274.78
																			2	22	4	2	8	5	6.	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

		on al		d Bed A							Re se rv oir)									1	5	0. 9 3	3	6	0 4	
																		3	2 1	4 5	2 1. 9 9	8 3	5 6	5. 8 2 4		
																		4	2 1	4 5	2 3. 1 4	8 3	5 6	4. 1 5		
																		5	2 1	4 5	2 4. 0 7	8 3	5 6	3. 7 6		
																		6	2 1	4 5	2 4. 4 6	8 3	5 6	3. 2 5		
																		7	2 1	4 5	2 5. 3 9	8 3	5 6	2. 5 8		
																		8	2 1	4 5	2 6. 5 6	8 3	5 6	1. 9 7		
																		9	2 1	4 5	2 6. 9 0	8 3	5 6	1. 7 1		
																		1 0	2 1	4 5	2 8. 1	8 3	5 6	7. 3 9		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																				9				
																		11	21	45	20.48	83	56	13.48	
44	Lakhanpur	Non-Operational	Sand	Amapali Sand Bed	Amapali	1	35/870(P)	14	5.67	Jalabhandar	Kelo	—	—	—	—	—	—	—	1	21	45	21.54139	83	29	50.98055	35886
																			2	21	45	18.479902	83	29	47.307885	
																			3	21	45	15.802113	83	29	45.069977	
																			4	21	45	13.039558	83	29	43.677799	
																			5	2	4	1	8	2	4	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			1	5	1.476227	3	9	3.059099	
																		6	21	45	11.484481	83	29	49.934533	
																		7	21	45	21.447116	83	29	55.051557	
45	Lakhanpur	Non-Operational	Sand	Dudolsingha Sand Bed D	Dudolsingha	1	276/541(P), 276/542(P), 276/543(P)	5.98, 4.99, 1.03 **(Total 12)**	2.42, 2.02, 0.42 **(Total 4.86)**	Jalabhandar	IB (Hiraku d Reservoir)	—	—	—	—	—	—	—	1	21	45	41.014439	83	55	48.671995	35678
																		2	21	45	40.782005	83	55	48.743444	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			3	21	45	40.62326	83	55	49.05060		
																			4	21	45	39.81805	83	55	50.02713		
																			5	21	45	39.61247	83	55	50.78094		
																			6	21	45	38.20397	83	55	52.35595		
																			7	21	45	36.23774	83	55	54.99954		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						4			5		
																			8	21	45	35.88124	83	55	55.28634		
																			9	21	45	34.09593	83	55	56.86285		
																			10	21	45	33.51343	83	55	57.63379		
																			11	21	45	32.01546	83	55	58.65242		
																			12	21	45	32.9664	83	56	9.8464		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						35			2		
																			13	21	45	34.591 90	83	56	8.8827 4		
																			14	21	45	34.1525 6	83	56	0.4165 5		
																			15	21	45	36.1388 1	83	55	57.3450 2		
																			16	21	45	37.2225 4	83	55	56.1090 3		
																			17	21	45	38.01	83	56	5.026		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						918			30		
																			18	21	45	39.09850	83	56	4.02407		
																			19	21	45	38.52800	83	55	55.26727		
																			20	21	45	38.89206	83	55	55.17276		
																			21	21	45	40.01507	83	55	54.17310		
																			22	21	45	40.5	83	55	53.3		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					8043			8503	
																		23	21	45	41.009445	83	55	51.985562	
																		24	21	45	41.101004	83	55	48.854665	
46	Kirmira	Operational	Sand	Chakbuda Sand Bed	Chakbuda	58(AAA)	1,779	4.49,1.51 **(Total 6)**	1.82,0.61 **(Total 2.43)**	Nadi	Sapei	Krishna Priya Sahu	R/o. At - Chheliapada, Jharmunda, P.O - Bagdehi, P.S. -	23-12-2020	SEIAA-526/09-2020	25-11-2020	—	—	1	21	59	29.112000	84	4	50.988000	48600
																			2	21	59	27.024000	84	4	50.844000	
																			3	21	59	26.	84	4	48.	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

													Laikera, Dist Jharsuguda, Mob - 8328850015									62800			03600		
																			4	21	59	25.94400	84	4	44.22000		
																			5	21	59	25.80000	84	4	41.34000		
																			6	21	59	25.58400	84	4	41.01600		
																			7	21	59	25.69200	84	4	40.80000		
																			8	25	2	8	4	3			

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																				1	9	5.36800	4		7.99200	
																			9	21	59	25.11600	84	4	37.12800	
																			10	21	59	27.02400	84	4	36.87600	
																			11	21	59	28.35600	84	4	47.13600	
																			12	21	59	28.68000	84	4	47.49600	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																		13	21	59	29.00400	84	4	49.90800	
47	Kirmira	Operationa	Sand	Sulehi Sand Bed	Sulehi	257(AAA)	1300	3.01	1.22	Nadi	Sapei	Sushanta Kumar Naik	R/o. At. P.O. - Sulahi, P.S. - Laikera, Dist - Jhasuguda, Mob - 9938463952	23-12-2020	SEIAA-525/09-2020	25-11-2020	—	—	1	21	59	51.93600	84	6	8.06400	36420
																		2	21	59	49.70400	84	6	8.02800	
																		3	21	59	49.88400	84	6	5.47200	
																		4	21	59	47.76000	84	6	1.18800	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					0				
																		5	21	59	49.52400	84	6	0.46800	
																		6	21	59	50.85600	84	6	3.49200	
																		7	21	59	51.43200	84	6	5.18400	
48	Kirmira	Operational In-Active	Sand	Bhaunra Sand Bed B	Bhaunra	271	38	12.49	5.05	Nadi	Sapei	—	—	—	—	—	Aditya Sharma	Behid Sitla Mandir, Marwari Para,	1	22	0	42.62400	84	6	59.72400	66075
																			2	22	0	31.788	84	6	54.576	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																		Dist - Jharsuguda, Pin - 768201, Mob - 8658404220				00			00	
																			3	22	0	38.98800	84	6	57.88800	
																			4	22	0	30.13200	84	6	54.14400	
																			5	22	0	26.60400	84	6	51.15600	
																			6	22	0	25.56000	84	6	50.76000	
																			7	22	0	23.76	84	6	49.89	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						000			600		
																			8	22	0	20.62800	84	6	47.08800		
																			9	22	0	18.43200	84	6	44.46000		
																			10	22	0	15.58800	84	6	42.44400		
																			11	22	0	16.56000	84	6	40.46400		
																			12	22	0	17.8	84	6	41.4		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						2000			7200	
																			13	22	0	24.4400	84	6	47.9880	
																			14	22	0	30.0600	84	6	51.7320	
																			15	22	0	37.0440	84	6	55.3320	
																			16	22	0	42.8760	84	6	58.5000	
49	Laike	Oper	San	Muradi	Muradi	11	640(P	9,1	12.735	Nadi	Telen	Push	Village -	29-12-	EC22B001OR	03	—	—	1	21	51	34.	84	11	16.	3579

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

	ra	ati on al	d	pali Sand Bed	pali	1	), 501, 337(P)	1.07, 11.40 **(Total 31.47)**				pak Kumar Naik	Chandnimal, PS - Laikera, Dist - Jharsuguda, Mob - 9937280535	2022	193315	-12-2022						3080000			5120000	7
																			2	21	51	32.86800	84	11	18.38400	
																			3	21	51	28.98000	84	11	14.71200	
																			4	21	51	24.51600	84	11	13.84800	
																			5	21	51	19.83600	84	11	14.46000	
																			6	2	5	1	8	1	1	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																				1	1	7.46000	4	1	4.67600	
																			7	21	51	11.16000	84	11	16.29600	
																			8	21	51	7.12800	84	11	16.44000	
																			9	21	51	0.39600	84	11	15.93600	
																			10	21	50	59.38800	84	11	16.04400	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																			11	21	50	56.47200	84	11	13.56000		
																			12	21	50	56.25600	84	11	10.10400		
																			13	21	50	57.01200	84	11	5.53200		
																			14	21	50	55.17600	84	11	4.30800		
																			15	21	50	56.1480	84	10	59.6280		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						0			0		
																			16	21	50	57.7680 0	84	11	0.74400		
																			17	21	50	58.7760 0	84	11	4.16400		
																			18	21	50	58.9560 0	84	11	11.76000		
																			19	21	51	0.7560 0	84	11	13.3080 0		
																			20	21	51	11.952	84	11	13.596		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						00			00		
																			21	21	51	19.18800	84	11	10.78800		
																			22	21	51	19.44000	84	11	11.18400		
																			23	21	51	24.08400	84	11	10.53600		
																			24	21	51	28.36800	84	11	11.29200		
																			25	21	51	31.46	84	11	12.94		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					400		800	
50	Jharsuguda		Sand	Luhurenkachhar Sand Bed C	Luhurenkachhar	5	1(P)	15	6.07	Nadi	Bheden	—	—	—	—	– –	Mukesh Kumar Sharma	At - Marwadipada, Po/P.s./Tah/Dist - Jharsuguda, Mob - 9937503033	– –	83	59	13.20	21	45	7.20	72,843.48
51	Jharsuguda		Sand	Tumbekela Sand Bed B	Kherual	1	737(P)	15	6.07	Jalabhandar	Bheden	—	—	—	—	– –	Amon Sharma	At - Marwadipada, Po/P.s./Tah/D	– –	84	0	43.20	21	47	34.80	72,843.48

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																	ist - Jharsuguda,								
52	Jharsuguda	New	Sand	H. Katapali Sand Bed A	H . Katapali	465	41/5806 (P)	8	3.24	Nadi	IB	—	—	—	—	—	—	—	—	21	53	18.37	83	56	56.88	38,749.76
53	Jharsuguda	New	Sand	Budipadar Sand Bed - B	Budipadar	91	838/939 (P)	10	4.05	Nadi	IB	—	—	—	—	—	—	—	—	21	50	45.74	83	56	44.63	48,562.32
54	Jharsuguda	New	Sand	Jamera Sand Bed - A	Jamera	1	40/896 (P)	8	3.24	Nadi	IB	—	—	—	—	—	—	—	—	21	50	19.91	83	56	52.52	38,749.76
55	Jharsuguda	New	Sand	Talpatia Sand	Talpatia	269	1187/2567(P)	8	3.24	Nadi	IB	—	—	—	—	—	—	—	—	21	55	39.33	84	0	34.52	

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

				Bed																					
56	Lakhanpur	New	Sand	Kandheikela Sand Bed A	Kandheikela	1	4293/4590(P)	**5**	2.023	Jalabhandar	Mahanadi	—	—	—	—	—	—	—	1	21	39	37.15959	83	27	49.76950
																			2	21	39	37.15959	83	27	53.28159
																			3	21	39	37.86629	83	27	53.26017
																			4	21	39	37.159	83	27	54.3844

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						59			47		
																			5	21	39	37.19172	83	27	55.62655		
																			6	21	39	33.73317	83	27	55.70150		
																			7	21	39	33.69034	83	27	48.31327		
																			8	21	39	36.92	83	27	48.44		

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																					961			072	
57	Lakhanpur	New	Sand	Semelia Sand Bed	Semelia	1	1195(P), 1196(P)	19.15, 5.85 **(Total 25 Acre)**	10.12	Jalabhandar	Mahanadi	—	—	—	—	—	—	—	1	21	40	40.10517	83	26	42.42060
																			2	21	40	39.41988	83	26	53.29950
																			3	21	40	36.82865	83	26	53.26031
																			4	21	40	37.0	83	26	41.9

ANNEXURE – II

List of Potential of Mining leases (Existing and Proposed)

																						05 24			92 04		
																			5	21	40	28.69089	83	26	40.79305		
																			6	21	40	28.66948	83	26	52.76412		

Cluster & Contiguous Cluster details

River Name	Cluster No.	Lease No.	Location (Riverbed/ Patta Land)	Village	Area (in Ha)	Total Excavation (Ton)	Total Mineral Excavation (Ton)
IB River	1	NA	River Bed	Panchpada	12.15	NA	NA
		NA	River Bed	Panchpada	10.93	NA	NA
		NA	River Bed	Panchpada	10.93	NA	NA
		NA	River Bed	Panchpada	10.526	NA	NA
		NA	River Bed	Panchpada	6.07	NA	NA
IB River	2	NA	River Bed	Lahandabud	8.099	NA	NA
		NA	River Bed	Lahandabud	4.856	NA	NA
Bheden River	3	NA	River Bed	Katikela	8.3	NA	NA
		NA	River Bed	Katikela	4.14	NA	NA
		NA	River Bed	Katikela	6.07	NA	NA
		NA	River Bed	Katikela	6.07	NA	NA
IB River	4	NA	River Bed	Dudelsingha	4.856	NA	NA
		NA	River Bed	Dudelsingha	5.21	NA	NA
		NA	River Bed	Dudelsingha	4.86	NA	NA
		NA	River Bed	Dudelsingha	4.86	NA	NA

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)
NO CONTIGUOUS CLUSTER FOR SAND QUARRY FOR JHARSUGUDA DISTRICT								

ANNEXURE – IV

Transportation Routes for individual leases and leases in cluster

Name of source	Lease No	Transportation Route No	Number of tippers / day of lease	Number of tippers / day of all 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
H.Katapali Sand Bed F	NA	VILLAGE ROAD	4	6	6	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
H.Katapali Sand Bed G	NA	VILLAGE ROAD	3	5	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Sripura Sand Bed B	NA	VILLAGE ROAD	3	5	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Talpatia Sand Bed B	NA	VILLAGE ROAD	2	4	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Charbhati Sand Bed B	NA	VILLAGE ROAD	2	4	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Tangarpali Sand Bed	NA	VILLAGE ROAD	3	5	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Loisingh Sand Bed	NA	VILLAGE ROAD	4	6	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Lahandabud Sand Bed C	NA	VILLAGE ROAD	3	5	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Lahandabud Sand Bed B	NA	VILLAGE ROAD	4	6	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Tharkaspur Sand Bed	NA	VILLAGE ROAD	3	5	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Panchpada Sand Bed A	NA	VILLAGE ROAD	3	5	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Panchpada Sand	NA	VILLAGE	4	6	5	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED

ANNEXURE – IV

Transportation Routes for individual leases and leases in cluster

Bed B		ROAD							
Panchpada Sand Bed C	NA	VILLAGE ROAD	4	6	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Panchpada Sand Bed D	NA	VILLAGE ROAD	2	4	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Panchpada Sand Bed E	NA	VILLAGE ROAD	3	5	6	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Sripura Sand Bed C	NA	VILLAGE ROAD	4	6	6	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Jamera Sand Bed C	NA	VILLAGE ROAD	5	7	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Rajpur Sand Bed B	NA	VILLAGE ROAD	3	5	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Katikela Sand Bed A	NA	VILLAGE ROAD	1	3	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Katikela Sand Bed B	NA	VILLAGE ROAD	5	7	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Katikela Sand Bed C	NA	VILLAGE ROAD	4	6	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Katikela Sand Bed D	NA	VILLAGE ROAD	3	5	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Budipadar Sand Bed	NA	VILLAGE ROAD	2	4	3	UNPAVED	UNPAVED	NEW	MAP ATTACHED
Sodamal Sand Bed D	NA	VILLAGE ROAD	5	7	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Parmanpur Sand Bed	NA	VILLAGE ROAD	3	5	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Guchhapali Sand Bed B	NA	VILLAGE ROAD	5	7	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Tareikela Sand Bed	NA	VILLAGE ROAD	7	9	5	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
K. Samasingha Sand Bed	NA	VILLAGE ROAD	6	8	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED

ANNEXURE – IV

Transportation Routes for individual leases and leases in cluster

Kulihamal Sand Bed	NA	VILLAGE ROAD	6	8	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Guchhapali Sand Bed	NA	VILLAGE ROAD	6	8	6	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Salhepali Sand Bed	NA	VILLAGE ROAD	5	7	6	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Raghunathpali & Kolabira Sand Bed	NA	VILLAGE ROAD	4	6	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Kolabira Sand Bed B	NA	VILLAGE ROAD	3	5	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Sodamal Sand Bed C	NA	VILLAGE ROAD	4	6	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Bhograpli & Samasingha Sand Bed	NA	VILLAGE ROAD	6	8	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Sodamal Sand Bed	NA	VILLAGE ROAD	3	5	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Kanaktora Sand Bed	NA	VILLAGE ROAD	3	5	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Sukhasoda Sand Bed	NA	VILLAGE ROAD	8	10	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Chhupali Sand Bed	NA	VILLAGE ROAD	3	5	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Dudolsingha Sand Bed B	NA	VILLAGE ROAD	3	5	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Dudolsingha Sand Bed C	NA	VILLAGE ROAD	2	4	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Kandheikela Sand Bed	NA	VILLAGE ROAD	2	4	5	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Dudolsingha Sand Bed A	NA	VILLAGE ROAD	4	6	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Amapali Sand Bed	NA	VILLAGE ROAD	4	6	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED

ANNEXURE – IV

Transportation Routes for individual leases and leases in cluster

Dudolsingha Sand Bed D	NA	VILLAGE ROAD	5	7	6	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Chakbuda Sand Bed	NA	VILLAGE ROAD	4	6	6	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Sulehi Sand Bed	NA	VILLAGE ROAD	5	7	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Bhaunra Sand Bed B	NA	VILLAGE ROAD	4	6	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Muradipali Sand Bed	NA	VILLAGE ROAD	4	6	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Luhurenkachhar Sand Bed C	NA	VILLAGE ROAD	3	5	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Tumbekela Sand Bed B	NA	VILLAGE ROAD	4	6	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
H. Katapali Sand Bed A	NA	VILLAGE ROAD	3	5	3	UNPAVED	UNPAVED	NEW	MAP ATTACHED
Budipadar Sand Bed - B	NA	VILLAGE ROAD	2	4	2	UNPAVED	UNPAVED	NEW	MAP ATTACHED
Jamera Sand Bed - A	NA	VILLAGE ROAD	2	4	5	UNPAVED	UNPAVED	NEW	MAP ATTACHED
Talpatia Sand Bed	NA	VILLAGE ROAD	3	5	3	UNPAVED	UNPAVED	NEW	MAP ATTACHED
Kandheikela Sand Bed A	NA	VILLAGE ROAD	2	4	2	UNPAVED	UNPAVED	NEW	MAP ATTACHED
Semelia Sand Bed	NA	VILLAGE ROAD	3	5	3	UNPAVED	UNPAVED	NEW	MAP ATTACHED

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

SL NO	NAME OF TAHASIL	STATUS	MINERAL TYPE	NAME OF SOURCE	LAND SCHEDULE							NAME OF LESSEE	ADDRESS & CONTACT NO OF LESSEE	DATE OF REGISTRATION OF LEASE DEED	No. & DATE OF GRANT OF ENV CLEARANCE		NAME OF SUCCESFUL BIDDER	ADDRESS & CONTACT NO OF SUCCESFUL BIDDER	Pillor No	LATITUDE			LONGITUDE			TENTATIVE RESOURCE IN CUM.
					Village/Mouza	Khata No	Plot No	Area in Ac.	Area in Hect.	Kissam	Nadi Name				EC No	Grant Date				DEGREE	MINUTE	SECOND	DEGREE	MINUTE	SECOND	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
1	Jharsuguda	Operational	Sand	H.Katapali Sand Bed F	H.Katapali	465	1647/5825	4.99	2.02	Nadi	IB	BIKASH CHANDRA RAO	S/o - Jaydev Rao, At/Po - Baurimundagaon, P.S. - Sadar, Dist - Sun	28-10-2021	SEIAA-1736/06-2021	28-09-2021	—	—	1	21	53	12.69600	83	56	57.19200	20234
																			2	21	53	16.58400	83	56	59.10000	
																			3	21	53	16.656	83	56	58.920	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

													dergarh, Mob - 9861927777								00			00	
																		4	21	53	16.76400	83	56	58.99200	
																		5	21	53	18.16800	83	56	53.88000	
																		6	21	53	14.24400	83	56	52.18800	
2	Jharsuguda	Operational	Sand	H.Katapali Sand Bed G	H.Katapali	465	41/5808(P)	8.01	3.24	Nadi	IB	Anjali Tanty	W/o - Prem Sagr Tanty, At/Po - Panchp	20-05-2022	SIA/OR/MIN/23857/2021	12-04-2022	—	—	1	21	53	51.57600	83	58	12.46800	58058
																			2	21	53	51.75	83	58	13.58	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

													ada, P.S. /Tahasil - Jharsuguda, Mob - 9668128959									600			400		
																			3	21	53	53.016000	83	58	16.392000		
																			4	21	53	53.448000	83	58	17.544000		
																			5	21	54	0.000000	83	58	16.644000		
																			6	21	53	58.704000	83	58	11.568000		
3	Jharsu	Operati	Sand	Sripura San	Sripura	1	756	12	4.856	Nadi	Bheden	Santu	S/o - Harishan	27-10-20	SIA/OR/MIN/2642	07-	—	—	1	21	47	9.11	84	2	12.0	97124	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

	guda	onal		d Bed B							nu Kum ar Pa dhi	kar Pad hi, At - Bhu kam und a, Po - Bad mal, Taha sil / Dist - Jhar sugu da, Mob - 8328 8770 79	22	53/20 22	06 - 2022										8	
																		2	21	47	4.59	84	2	34.59		
																		3	21	47	2.1	84	2	34.98		
																		4	21	47	6.61	84	2	12.6		
4	Jhar sugu da	Oper ation al	Sa nd	Tal pati a San d Bed B	Tal pati a	2 6 9	11 87(P)	1 2	4.8 56	Na di	IB	Ar jun Mu n dr a	S/o - Ram Saga r Mun dra, At - Jhan daC how k, Po/P .S./T ah/D ist -	29-09-20 22	SIA/O R/MIN /2637 75/20 22	29 - 07 - 2022	—	—	1	21	55	51.33	84	0	42.51	14 56 86
																		2	21	55	51.33	84	0	42.51		
																		3	21	55	37.5	84	0	38.00		
																		4	2	5	3	8	0	3		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

													Jharsuguda, Mob - 797863551 9						1	5	9.33	4		4.52	
5	Jharsuguda	Operational	Sand	Charbhati Sand Bed B	Charbhati	122	1731	10.01	4.05	Nadi	IB	Deepak Ray	S/o - Tarkeswar Ray, At - Laxmankhatal, Po - Lamtibahal, P.S. - Brajrajnagar, Tah/Dist - Jharsuguda,	28-01-2021	SEIAA/557/09-2020	09-12-2020	—	—	1	21	53	45.7080 0	83	56	55.2120 0	97104
																			2	21	53	39.2640 0	83	57	5.1120 0	
																			3	21	53	39.9840 0	83	57	5.6160 0	
																			4	21	53	41.6760	83	57	9.0000 0	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

													Mob - 9337652117									0					
																			5	21	53	47.86800	83	56	58.48800		
																			6	21	53	47.50800	83	56	58.09200		
																			7	21	53	47.36400	83	56	57.55200		
																			8	21	53	46.71600	83	56	56.43600		
																			9	21	53	46.464	83	56	56.148		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					00			00	
																		10	21	53	46.53600	83	56	55.78800	
																		11	21	53	46.46400	83	56	55.64400	
6	Jharsuguda	Operational	Sand	Tangarpali Sand Bed	Tangarpali	112	1(P)	20	8.094	Nadi	IB	Mukesh Kumar Sahar ma	S/o - Late Shiv Kumar Sharma, At - Marwadipada, Po/ P.s./ Tah /Dist -	09-02-2024	SIA/OR/MIN/21948/2018	14-05-2018	—	—	1	21	56	36.31200	84	1	20.02800	80937
																			2	21	56	36.96000	84	1	20.56800	
																			3	21	56	42.50	84	1	23.01	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

													Jharsuguda, Mob - 9937503033								400			600			
																		4	21	56	46.17600	84	1	25.71600			
																		5	21	56	51.68400	84	1	29.17200			
																		6	21	56	54.56400	84	1	31.18800			
																		7	21	56	56.04000	84	1	34.17600			
																		8	21	56	59.3	84	1	37.7			

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						1600			7600	
																			9	21	57	0.93600	84	1	38.78400	
																			10	21	57	2.62800	84	1	36.55200	
																			11	21	56	59.17200	84	1	32.55600	
																			12	21	56	56.32800	84	1	29.31600	
																			13	21	56	53.	84	1	27.	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					34000			04800	
																		14	21	56	46.17600	84	1	22.58400	
																		15	21	56	37.24800	84	1	16.78800	
7	Jharsuguda	Operational In-Active	Sand	Loising Sand Bed	Loising	63	838/1031(P)	10.06	4.07	Nadi	IB	—	—	—	—	—	Shashank Yadav	S/o-Kaliprasad Yadav, At-Diphupada, Dist-Jhar	1	21	54	4.68000	83	57	32.25600	22203
																			2	21	54	4.64400	83	57	32.40000	
																			3	2	5	5.	8	5	3	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																		sugu da		1	4	47200	3	7	4.09200	
																			4	21	54	6.33600	83	57	34.38000	
																			5	21	54	6.80400	83	57	35.02800	
																			6	21	54	7.16400	83	57	36.03600	
																			7	21	54	7.59600	83	57	36.86400	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																		8	21	54	1.08000	83	57	41.22000	
																		9	21	53	57.58800	83	57	36.28800	
8	Jharsuguda	Operational In-Active	Sand	Lahandabud Sand Bed C	Lahandabud	176	380(P)	20.013	8.099	Nadi	IB	—	—	—	—	– –	Srinibas Pradhan	S/o - Dharamu Pradhan, At - Chhualiberna, Po- Belpahar, Dist - Jhar	1	21	54	20.71672	83	58	59.61471	97125
																			2	21	54	20.03486	83	58	57.59312	
																			3	21	54	19.83995	83	58	57.45600	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																		sugu da				6			7	
																			4	21	54	19.67328	83	58	56.85300	
																			5	21	54	19.02749	83	58	54.93422	
																			6	21	54	18.52638	83	58	53.45229	
																			7	21	54	17.94389	83	58	52.17916	
																			8	21	54	17.322	83	58	51.069	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						85			86	
																			9	21	54	16.440054	83	58	49.973400	
																			10	21	54	14.809773	83	58	47.594224	
																			11	21	54	20.658119	83	58	43.604454	
																			12	21	54	27.000050	83	58	54.891118	
9	Jharsugu	Operation	Sand	Lahandabud	Lahandabud	176	380/1838(P	12	4.856	Nadi	IB	—	—	—	—	—	Santunuku	S/o-HariSha	1	21	54	10.51	83	58	40.87	43908

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

	da	al In-Active		Sand Bed B			)										mar padhi	nkar Padhi, At - Sarbahal , Dist - Jharsuguda				200			200	
																			2	21	54	7.48800	83	58	36.15600	
																			3	21	54	6.37200	83	58	34.17600	
																			4	21	54	5.58000	83	58	33.27600	
																			5	21	54	12.34800	83	58	25.86000	
																			6	21	54	17.8	83	58	33.5	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						2000			6400		
10	Jharsuguda	Operational	Sand	Tharkaspur Sand Bed	Tharkaspur	32	534/646	12.24	4.95	River	IB	Pintu Seth	S/o- Labani Seth, At-Rajpur, Jharsuguda	07-08-2024	SIA/OR/MIN/469997/2024	26-07-2024	—	—	1	21	54	16.60	83	58	6.96	29641.46
																			2	21	54	17.22	83	58	8.25	
																			3	21	54	18.77	83	58	13.56	
																			4	21	54	18.17	83	58	13.89	
																			5	21	54	19.66	83	58	15.87	
																			6	21	54	13.48	83	58	18.20	
																			7	21	54	11.53	83	58	8.57	
11	Jhar	Oper	San	Panchp	Panchp	87	530/3	30.	12.15	Nadi	IB	—	—	—	—	—	RSA	Sri Shy	1	21	54	30.	83	58	52.	1650

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

	sugua	ational In-Active	d	ada Sand Bed A	ada	8	974(P)	03									INFRA PROJECT PRIVATE LIMITED	am Tower, Kavita Nagar, Avanti Vihar, Raipur, Chhatisgarh				4200 00			7880 0	48
																			2	21	54	20.6280 0	83	58	59.4120 0	
																			3	21	54	21.9960 0	83	59	0.3120 0	
																			4	21	54	23.9400 0	83	59	3.8760 0	
																			5	21	54	26.2800 0	83	59	7.2960 0	
																			6	2	5	2	8	5	9.	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																				1	4	8.692000	3	9	852000	
																			7	21	54	36.684000	83	59	1.688000	
																			8	21	54	34.596000	83	58	59.340000	
																			9	21	54	32.652000	83	58	56.244000	
12	Jharsuguda	Operational In-Ac	Sand	Panchpada Sand Bed B	Panchpada	878	530/3974	27.01	10.93	Nadi	IB	—	—	—	—	— —	RSA INFRA PROJECT	Sri Shyam Tower, Kavi	1	21	54	29.700000	83	59	11.004000	148630.5

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

		tive															PRIVATE LIMITED	ta Nagar, Avanti Vihar, Raipur, Chhatisgarh	2	21	54	31.68000	83	59	13.05600	
																			3	21	54	33.84000	83	59	15.64800	
																			4	21	54	37.80000	83	59	19.39200	
																			5	21	54	45.18000	83	59	11.18400	
																			6	21	54	40.93200	83	59	7.04400	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					0				
																		7	21	54	37.98000	83	59	3.19200	
13	Jharsuguda	Operational In-Active	Sand	Panchpada Sand Bed C	Panchpada	878	530/3974	27.01	10.93	Nadi	IB	—	—	—	—	– –	RSA INFRA PROJECT PRIVATE LIMITED	Sri Shyam Tower, Kavita Nagar, Avanti Vihar, Raipur, Chhatisgarh	1	21	54	38.84400	83	59	20.68800	14523 3
																			2	21	54	39.92400	83	59	22.12800	
																			3	21	54	41.36400	83	59	24.21600	
																			4	21	54	42.264	83	59	25.872	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						00			00		
																			5	21	54	43.77600	83	59	27.67200		
																			6	21	54	44.71200	83	59	29.00400		
																			7	21	54	53.06400	83	59	24.14400		
																			8	21	54	50.94000	83	59	19.17600		
																			9	21	54	49.89	83	59	17.30		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					600			400	
																		10	21	54	47.232000	83	59	13.380000	
																		11	21	54	46.692000	83	59	12.804000	
14	Jharsuguda	Operational In-Active	Sand	Panchpada Sand Bed D	Panchpada	878	530/3974	26.01	10.526	Nadi	IB	—	—	—	—	– –	TEERTH COMMERCIALS PRIVATE LIMITED	C/o - Satyaprakash Kedia near Vinayak Puram Marwar	1	21	55	1.560000	83	59	37.536000	2205 45
																			2	21	54	54.396000	83	59	41.964000	
																			3	21	54	53.8	83	59	41.7	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																		i Para				9200			1200	
																			4	21	54	51.98400	83	59	39.55200	
																			5	21	54	51.69600	83	59	39.76800	
																			6	21	54	51.66000	83	59	39.26400	
																			7	21	54	50.36400	83	59	37.28400	
																			8	21	54	47.	83	59	34.	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																								70000			62000
																			9	21	54	45.68400	83	59	31.92000
																			10	21	54	54.36000	83	59	26.84400
																			11	21	54	55.36800	83	59	28.21200
																			12	21	54	57.16800	83	59	31.59600
																			1	2	5	5	8	5	3

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																		3	1	4	9.0040 0	3	9	4.5480 0	
15	Jharsuguda	Operational In-Active	Sand	Panchpada Sand Bed E	Panchpada	878	530/3974	15	6.07	Nadi	IB	—	—	—	—	—	MAHENDRA PRASAD	At - Dipu, Word No - 04, Pin 768201, Jharsuguda	1	21	55	2.8200 0	83	59	54.7440 0	72.843.48
																			2	21	55	5.5560 0	83	59	58.0920 0	
																			3	21	55	7.7160 0	84	0	2.2320 0	
																			4	21	55	9.1560 0	84	0	5.0040 0	
																			5	21	55	9.7	84	0	7.5	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						3200			6000	
																			6	21	55	11.49600	84	0	12.34800	
																			7	21	55	15.02400	84	0	8.31600	
																			8	21	55	9.19200	83	59	57.62400	
																			9	21	55	5.30400	83	59	53.12400	
16	Jhar	Non-	San	Sripura	Sripura	1	1180(	15.	6.07	Jalbh	Bhed	—	—	—	—	—	—	—	1	21	46	39.	84	3	5.1	4556

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

	su gu da	Op er ati on al	d	San d Bed C			P)	0 1		an da r	en											9 0 0 0 0			8 4 0 0	0. 25
																			2	2 1	4 6	4 1. 0 1 6 0 0	8 4	3	4. 2 4 8 0 0	
																			3	2 1	4 6	4 1. 6 2 8 0 0	8 4	3	3. 4 9 2 0 0	
																			4	2 1	4 6	4 2. 6 7 2 0 0	8 4	3	0. 7 2 0 0 0	
																			5	2 1	4 6	4 6. 6 6 8 0 0	8 4	2	5 6. 9 0 4 0 0	
																			6	2	4	4	8	2	5	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																				1	6	8.36000	4		5.75200	
																			7	21	46	50.80800	84	2	53.98800	
																			8	21	46	51.63600	84	2	53.34000	
																			9	21	46	55.12800	84	2	50.56800	
																			10	21	46	53.43600	84	2	47.65200	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																		11	21	46	48.21600	84	2	51.90000	
																		12	21	46	42.81600	84	2	56.29200	
																		13	21	46	37.56000	84	3	2.73600	
17	Jharsuguda	Non-Operational	Sand	Jamera Sand Bed C	Jamera	1	40/896(P)	12	4.856	Jalbhandar	Bheden	—	—	—	—	—	—	—	1	21	50	26.67655	83	56	53.84513	1456 86
																			2	21	50	22.00037	83	56	53.18555	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																							7			5	
																			3	21	50	19.90508	83	56	52.51739	
																			4	21	50	16.72708	83	56	51.01833	
																			5	21	50	15.09952	83	56	50.23882	
																			6	21	50	12.42691	83	56	49.32225	
																			7	21	50	13.1511	83	56	46.167	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					00			54	
																		8	21	50	27.21622	83	56	49.15093	
18	Jharsuguda	Non-Operational	Sand	Rajpur Sand Bed B	Rajpur	188 (AAA)	594	12	4.856	Nadi	Basundhara Nala	—	—	—	—	—	—	—	1	21	53	36.00396	83	55	54.51603	48562
																		2	21	53	29.67964	83	55	54.01663	
																		3	21	53	29.26847	83	55	55.34608	
																		4	21	53	29.12	83	55	56.23	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						456			010		
																			5	21	53	28.57633	83	55	57.56640		
																			6	21	53	27.93901	83	55	59.60170		
																			7	21	53	27.18627	83	56	1.46470		
																			8	21	53	34.44665	83	56	3.68342		
																			9	21	53	35.1	83	56	2.72		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					8590			231	
																		10	21	53	35.991111	83	55	59.899980	
																		11	21	53	36.226668	83	55	57.531228	
19	Jharsuguda	Non-Operational	Sand	Katikela Sand Bed A	Katikela	244	2016, 2062, 2063, 2064, 2065, 2066, 2125, 2135	0.51, 0.5. 0.3, 0.5, 1.39, 0.2, 0.2	0.21, 0.2, 0.12, 0.2, 0.56, 0.08, 0.1, 6.83 **(Total 8.3**	Nadi	Bhedden	—	—	—	—	—	—	—	1	21	46	26.724992	84	4	59.663227	61126
																		2	21	46	27.261331	84	5	2.615331	
																		3	21	46	27.	84	5	5.1	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

								4,16.86 **(Total 20.50)**	**)**													80991			4931		
																			4	21	46	28.42284	84	5	7.00052		
																			5	21	46	29.28091	84	5	8.90475		
																			6	21	46	30.21928	84	5	10.66200		
																			7	21	46	30.63961	84	5	11.37171		
																			8	2	4	3	8	5	1		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																				1	6	0.8491 1	4		1.93890		
																			9	21	46	31.3420 2	84	5	13.27337		
																			10	21	46	31.9759 1	84	5	13.85586		
																			11	21	46	34.5181 1	84	5	17.70939		
																			12	21	46	36.3617 4	84	5	20.41746		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			13	21	46	33.32935	84	5	23.00441		
																			14	21	46	29.21764	84	5	17.43561		
																			15	21	46	26.97333	84	5	13.47896		
																			16	21	46	25.31796	84	5	9.12295		
																			17	21	46	23.51333	84	5	1.35064		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					2				
																		18	21	46	23.53949	84	4	59.678663	
20	Jharsuguda	Operational In-Active	Sand	Katikela Sand Bed B	Katikela	244	2125(P), 2135(P)	1.23,9.01 **(Total 10.24 Acre)**	0.50,3.64**(Total 4.14)**	Nadi	Bheden	—	—	—	—	—	Santunu kumar padhi	S/o - Hari Shankar Padhi, At - Sarbahal , Dist - Jharsuguda	1	21	46	42.188808	84	5	32.023533	48597
																			2	21	46	38.611175	84	5	29.025541	
																			3	21	46	34.285889	84	5	24.335549	
																			4	21	46	33.7760	84	5	23.5800	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						28			76		
																			5	21	46	36.91995	84	5	21.03756		
																			6	21	46	37.69175	84	5	21.77167		
																			7	21	46	38.19887	84	5	22.47751		
																			8	21	46	39.98746	84	5	24.73895		
																			9	21	46	41.49	84	5	26.02		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					508			729	
																		10	21	46	44.69365	84	5	29.17531	
21	Jharsuguda	Non-Operational	Sand	Katikela Sand Bed C	Katikela	244	300/2143(P)	15	6.07	Nadi	Bheden	—	—	—	—	—	—	—	1	21	46	25.79	84	4	15.15	38214
																			2	21	46	24.89	84	4	17.94	
																			3	21	46	25.23	84	4	18.99	
																			4	21	46	23.15	84	4	27.48	
																			5	21	46	24.76	84	4	40.64	
																			6	21	46	22.5	84	4	40.63	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																		7	21	46	21.85	84	4	38.12	
																		8	21	46	21.18	84	4	27.3	
																		9	21	46	22.62	84	4	14.45	
22	Jharsuguda	Non-Operational	Sand	Katikela Sand Bed D	Katikela	244	300/2143	14.99	6.07	Nadi	Bheden	—	—	—	—	—	—	—	1	21	46	24.65659	84	4	37.80036	57770
																		2	21	46	24.11693	84	4	34.28828	
																		3	21	46	23.63723	84	4	32.38661	
																		4	2	4	2	8	4	2	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																				1	6	3.3288 6	4		9.0801 1		
																			5	21	46	23.2774 6	84	4	27.6067 5		
																			6	21	46	23.7742 9	84	4	25.6879 5		
																			7	21	46	23.9113 5	84	4	23.8890 8		
																			8	21	46	24.8793 1	84	4	20.6168 5		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			9	21	46	25.36758	84	4	19.43473	
																			10	21	46	25.13629	84	4	18.12412	
																			11	21	46	25.90582	84	4	16.08404	
																			12	21	46	25.98433	84	4	15.10030	
																			13	21	46	26.21773	84	4	14.48999	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						7			8		
																			14	21	46	22.43942	84	4	14.24632		
																			15	21	46	21.95717	84	4	17.94900		
																			16	21	46	21.05028	84	4	25.47380		
																			17	21	46	20.84470	84	4	30.07378		
																			18	21	46	21.410	84	4	34.673		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					06			75	
																		19	21	46	21.78696	84	4	38.14300	
23	Jharsuguda	New	Sand	Budipadar Sand Bed	Budipadar	91(AAA)	838/939(P)	11.97	4.844	Nadi	IB	—	—	—	—	—	—	—	—	—	—	—	—	—	—	58129.09
24	Kolabira	Operational	Sand	Sodamal Sand Bed D	Sodamal	491(AAA)	1(P)	12.52	5.07	Nadi	Bhedeen	Satyabrat Pattnaik,	S/o - Prafulla Pattnaik, Po/PS - Jatani, Dist - Khordha, Mob - 943	16-09-2022	SIA/OR/MIN/279935/2022	17-08-2022	—	—	1	21	46	44.94000	84	9	0.93600	49776
																			2	21	46	43.82400	84	9	3.60000	
																			3	21	46	42.0240	84	9	6.6240	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

													7000101									00			0		
																			4	21	46	39.54000	84	9	9.50400		
																			5	21	46	35.72400	84	9	12.74400		
																			6	21	46	34.78800	84	9	13.28400		
																			7	21	46	36.98400	84	9	15.22800		
																			8	21	46	40.87	84	9	12.78		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					200			000	
																		9	21	46	44.4720 0	84	9	9.2160 0	
																		10	21	46	46.5240 0	84	9	6.3000 0	
																		11	21	46	48.2160 0	84	9	2.0520 0	
25	Kolabira	Operational	Sand	Parmanpur Sand Bed	Parmanpur	268(AAA)	294/370 3(P), 3623 (P)	7.16, 5.17 **(Total 1**	2.9, 2.09 **(Total 4.99)**	Nadi	Bheden	Aswinikumar Patel	S/o - Jagadanand a Patel, Village -	15-01-2022	SEIAA-1803/08-2021	08-10-2021	—	—	1	21	47	25.6200 0	84	6	37.6560 0	38529
																			2	21	47	27.4	84	6	40.5	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

								2.33)					Marapatra, PS - Katarbaga, Dist - Sambalpur, Mob - 9348930621								9200			7200	
																		3	21	47	28.06800	84	6	40.68000	
																		4	21	47	29.86800	84	6	43.66800	
																		5	21	47	30.66000	84	6	44.74800	
																		6	21	47	30.48000	84	6	45.10800	
																		7	21	47	30.	84	6	46.	

ANNEXURE – V
Final List of Potential mining leases (Existing and Proposed)

																					62400			40400	
																			8	21	47	30.30000	84	6	47.41200	
																			9	21	47	30.33600	84	6	48.24000	
																			10	21	47	30.15600	84	6	48.85200	
																			11	21	47	29.94000	84	6	50.90400	
																			1	2	4	2	8	6	5	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			2	1	7	8.14000	4		3.82000		
																			13	21	47	27.24000	84	6	54.93600		
																			14	21	47	27.45600	84	6	55.11600		
																			15	21	47	26.41200	84	6	57.52800		
																			16	21	47	26.59200	84	7	2.49600		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			17	21	47	27.24000	84	7	3.79200		
																			18	21	47	26.01600	84	7	4.29600		
																			19	21	47	24.93600	84	7	0.08400		
																			20	21	47	25.51200	84	6	55.94400		
																			21	21	47	27.34800	84	6	52.84800		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						0			0		
																			22	21	47	28.50000	84	6	49.86000		
																			23	21	47	28.60800	84	6	47.41200		
																			24	21	47	27.96000	84	6	45.57600		
																			25	21	47	26.30400	84	6	43.52400		
																			26	21	47	24.684	84	6	42.516		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					00			00	
																		27	21	47	23.78400	84	6	41.47200	
																		28	21	47	22.45200	84	6	39.16800	
26	Kolabira	Operational	Sand	Guchhapali Sand Bed B	Guchhapali	153	1(P)	7.8	3.16	Nadi	Bheden	Ajay Kumar Sahu	S/o - Shibanarayan Sahu, PS - Kolabira, Dist - Jharsuguda, Mob -	02-12-2021	SEIAA-1191/01-2021	24-05-2021	—	—	1	21	45	44.58	84	12	55.58	50880
																		2	21	45	45.74	84	12	52.95	
																		3	21	45	46.54	84	12	53.23	
																		4	21	45	47.24	84	12	53.57	
																		5	21	45	48.	84	12	54.	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

													9937210945									09			29		
																			6	21	45	49.33	84	12	54.82		
																			7	21	45	49.88	84	12	55.35		
																			8	21	45	50.71	84	12	56.42		
																			9	21	45	51.80	84	12	57.92		
																			10	21	45	52.42	84	12	58.81		
																			11	21	45	53.00	84	12	59.71		
																			12	21	45	53.93	84	13	1.61		
																			13	21	45	54.40	84	13	2.60		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																				14	21	45	54.98	84	13	4.82	
																				15	21	45	52.86	84	13	4.56	
																				16	21	45	52.72	84	13	4.19	
																				17	21	45	52.41	84	13	2.92	
																				18	21	45	52.22	84	13	2.32	
																				19	21	45	51.29	84	13	1.24	
																				20	21	45	50.05	84	13	59.89	
																				21	21	45	48.93	84	12	58.70	
																				22	21	45	48.	84	12	57.	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					10			91		
																		23	21	45	47.22	84	12	57.20		
																		24	21	45	46.32	84	12	56.49		
																		25	21	45	45.17	84	12	55.87		
27	Kolabira	Operational	Sand	Tareikela Sand Bed	Tareikela	178(AAA)	64(P)	12.34	5.00	Nadi	Telen	Kirti Chandra Bohidar	S/o - Nabin Kumar Bohidar, Village - Kolabira, PS - Kolabira, Dist - Jharsuguda,	17-03-2021	SEIAA-837/11-2020	08-02-2021	—	—	1	21	47	52.80000	84	8	24.57600	55140
																			2	21	47	53.41200	84	8	25.76400	
																			3	21	47	53.70000	84	8	28.32000	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

													Mob - 9437052445									0			0		
																			4	21	47	54.13200	84	8	28.93200		
																			5	21	47	56.14800	84	8	34.72800		
																			6	21	47	56.32800	84	8	35.70000		
																			7	21	47	56.58000	84	8	35.73600		
																			8	21	47	57.084	84	8	37.608		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						00			00		
																			9	21	47	56.68800	84	8	41.24400		
																			10	21	47	56.14800	84	8	41.42400		
																			11	21	47	55.28400	84	8	44.01600		
																			12	21	47	54.31200	84	8	44.88000		
																			13	21	47	53.62	84	8	46.10		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						800			400	
																			14	21	47	52.476000	84	8	47.004000	
																			15	21	47	50.064000	84	8	49.632000	
																			16	21	47	48.552000	84	8	50.640000	
																			17	21	47	46.644000	84	8	51.288000	
																			18	21	47	47.1	84	8	52.5	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						4800			8400		
																			19	21	47	51.21600	84	8	50.85600		
																			20	21	47	53.23200	84	8	49.34400		
																			21	21	47	55.03200	84	8	47.40000		
																			22	21	47	57.26400	84	8	43.15200		
																			23	21	47	58.	84	8	40.		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						16400			30800		
																			24	21	47	58.34400	84	8	36.52800		
																			25	21	47	57.69600	84	8	32.71200		
																			26	21	47	56.07600	84	8	27.96000		
																			27	21	47	54.74400	84	8	25.51200		
																			2	2	4	5	8	8	2		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																		8	1	7	4.38400	4		4.21600	
28	Kolabira	Operational In-Active	Sand	K. Samasingha Sand Bed	Samasingha	490	1650(P)	12.03	4.87	Nadi	Bheden	—	—	—	—	—	PRIYANANDA PATEL	S/O-Chakradharpatel, At-Panchpda, Dist-Jharsuguda	1	21	45	55.54800	84	9	55.54800
																			2	21	45	51.98400	84	9	57.81600
																			3	21	45	48.88800	84	9	59.43600
																			4	21	45	47.34000	84	10	0.48000

48563

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			5	21	45	44.85600	84	10	3.46800	
																			6	21	45	43.41600	84	10	5.37600	
																			7	21	45	42.73200	84	10	7.14000	
																			8	21	45	42.26400	84	10	8.79600	
																			9	21	45	39.7080	84	10	7.53600	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						0				
																			10	21	45	41.76000	84	10	3.54000	
																			11	21	45	46.72800	84	9	57.88800	
																			12	21	45	51.84000	84	9	53.85600	
																			13	21	45	54.32400	84	9	52.81200	
29	Kolabira	Operational	Sand	Kulihamal Sand	Kulihamal	226(AA	2605(P)	12.51	5.06	Nadi	Bhedden	—	—	—	—	—	Ajay umar Sah	At/Po - Samasing	1	21	45	54.612	84	13	37.632	21405

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

		In-Active		Bed		A)											u	ha, P.S.-Kolabira, Dist-Jharsuguda				00			00	
																			2	21	45	56.05200	84	13	32.55600	
																			3	21	45	56.70000	84	13	29.13600	
																			4	21	45	57.16800	84	13	23.98800	
																			5	21	45	57.38400	84	13	18.73200	
																			6	21	45	57.06	84	13	15.85	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						000			200		
																			7	21	45	57.27600	84	13	11.89200		
																			8	21	45	55.11600	84	13	11.96400		
																			9	21	45	54.90000	84	13	25.32000		
																			10	21	45	53.82000	84	13	31.08000		
																			11	21	45	52.3	84	13	35.9		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					8000			4600	
30	Kolabira	Non-Operational	Sand	Guchhapali Sand Bed	Guchhapali	153 (AAA)	6411/2097 (P), 1153/2098 (P)	**6.11, 6.4 (Total 12.51)**	**2.47, 2.59 (Total 5.06)**	Nadi	Bheden	—	—	—	—	—	—	—	1	21	45	55.08000	84	13	23.62800	51618
																			2	21	45	54.10800	84	13	29.82000	
																			3	21	45	52.52400	84	13	35.90400	
																			4	21	45	49.17600	84	13	42.31200	
																			5	21	45	47.	84	13	44.	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					70000			07600	
																			6	21	45	45.86400	84	13	46.92000	
																			7	21	45	43.81200	84	13	45.80400	
																			8	21	45	45.07200	84	13	43.10400	
																			9	21	45	46.26000	84	13	42.78000	
																			1	2	4	4	8	1	4	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			0	1	5	7.7720 0	4	3	1.2320 0	
																			11	21	45	50.2920 0	84	13	34.3200 0	
																			12	21	45	52.1640 0	84	13	28.5960 0	
																			13	21	45	52.7400 0	84	13	25.3920 0	
																			14	21	45	52.4520 0	84	13	24.2400 0	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																		15	21	45	52.12800	84	13	23.98800	
																		16	21	45	52.34400	84	13	23.48400	
31	Kolabira	Non-Operational	Sand	Salhepali Sand Bed	Salhepali	113(AAA)	1(P)	12.49	5.055	Nadi	Telen	—	—	—	—	—	—	—	1	21	47	51.93600	84	7	37.38000	32354
																			2	21	47	50.85600	84	7	35.79600	
																			3	21	47	48.40800	84	7	34.75200	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						0			0		
																			4	21	47	45.7080 0	84	7	33.1320 0		
																			5	21	47	41.1720 0	84	7	29.3880 0		
																			6	21	47	37.6080 0	84	7	25.0680 0		
																			7	21	47	35.4120 0	84	7	20.9280 0		
																			8	21	47	32.8200	84	7	14.7720		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						00			00		
																			9	21	47	29.32800	84	7	10.70400		
																			10	21	47	26.73600	84	7	7.82400		
																			11	21	47	25.29600	84	7	5.62800		
																			12	21	47	26.23200	84	7	4.94400		
																			13	21	47	26.91	84	7	6.024		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						600			00		
																			14	21	47	31.63200	84	7	10.84800		
																			15	21	47	34.69200	84	7	16.21200		
																			16	21	47	36.67200	84	7	21.07200		
																			17	21	47	40.12800	84	7	26.11200		
																			18	21	47	44.3	84	7	30.3		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						0 4 0 0			9 6 0 0	
																			19	21	47	48. 2 6 4 0 0	84	7	32. 5 5 6 0 0	
																			20	21	47	51. 6 4 8 0 0	84	7	34. 9 6 8 0 0	
																			21	21	47	54. 1 3 2 0 0	84	7	37. 4 5 2 0 0	
32	Kolabira	Non-Operational	Sand	Raghunathpali & Kolabira San	Kolabira, Raghunathpali	217, 217, 217,	4, 40, 41, 2102(P)	10.19, 2.98, 4.0	4.12, 1.21, 1.62, 3.93 **(To**	Nadi	Telen	—	—	—	—	—	—	—	1	21	48	15. 0 8 4 0 0	84	9	26. 1 7 2 0 0	34551
																			2	21	48	12.	84	9	27.	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

				d Bed		2 7 2		1, 9. 7 2 **(T ot al 2 6. 9)**	**tal 10. 88)**													1 3 2 0 0			5 4 0 0 0	
																			3	2 1	4 8	8. 8 5 6 0 0	8 4	9	2 2. 2 8 4 0 0	
																			4	2 1	4 8	3. 3 4 8 0 0	8 4	9	1 6. 4 1 6 0 0	
																			5	2 1	4 8	1. 5 4 8 0 0	8 4	9	1 2. 0 2 4 0 0	
																			6	2 1	4 7	5 9. 4 9 6 0 0	8 4	9	9. 6 4 8 0 0	
																			7	2	4	5	8	9	6.	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																				1	7	8.1280	4		40800		
																			8	21	47	55.89600	84	9	4.14000		
																			9	21	47	51.93600	84	9	2.95200		
																			10	21	47	49.16400	84	9	3.16800		
																			11	21	47	46.71600	84	9	2.26800		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			12	21	47	43.51200	84	9	7.02000		
																			13	21	47	43.98000	84	9	7.34400		
																			14	21	47	47.18400	84	9	6.40800		
																			15	21	47	49.23600	84	9	10.65600		
																			16	21	47	47.9760	84	9	14.5440		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						0			0		
																			17	21	47	45.70800	84	9	15.40800		
																			18	21	47	45.60000	84	9	17.64000		
																			19	21	47	44.73600	84	9	20.77200		
																			20	21	47	42.36000	84	9	23.11200		
																			21	21	47	39.0884	84	9	22.6880		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						00			00		
																			22	21	47	37.35600	84	9	22.42800		
																			23	21	47	36.45600	84	9	23.65200		
																			24	21	47	36.20400	84	9	23.68800		
																			25	21	47	36.52800	84	9	22.60800		
																			26	21	47	37.42	84	9	22.06		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						800			800		
																			27	21	47	42.03600	84	9	22.57200		
																			28	21	47	43.87200	84	9	21.31200		
																			29	21	47	44.91600	84	9	18.64800		
																			30	21	47	45.16800	84	9	15.44400		
																			31	21	47	47.3	84	9	13.6		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						6400			8000		
																			32	21	47	48.5520	84	9	10.6200		
																			33	21	47	47.4360	84	9	7.3440		
																			34	21	47	44.3040	84	9	7.9920		
																			35	21	47	43.2600	84	9	7.5960		
																			36	21	47	46.	84	9	0.7		

ANNEXURE – V
Final List of Potential mining leases (Existing and Proposed)

																						75200			5600	
																			37	21	47	48.51600	84	9	1.51200	
																			38	21	47	55.71600	84	9	2.37600	
																			39	21	47	56.61600	84	9	3.34800	
																			40	21	47	57.51600	84	9	2.70000	
																			4	2	4	0.	8	9	6.	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			1	1	8	61200	4		40800	
																			42	21	48	4.50000	84	9	10.80000	
																			43	21	48	7.84800	84	9	15.22800	
																			44	21	48	9.36000	84	9	17.85600	
																			45	21	48	11.34000	84	9	20.26800	
																			4	2	4	1	8	9	2	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																		6	1	8	3.17600	4		3.22000	
33	Kolabira	Non-Operational	Sand	Kolabira Sand Bed B	Kolabira	217	1494/1986 (P)	12.5	5.06	Nadi	Telen	—	—	—	—	—	—	—	1	21	49	24.03930	84	10	16.70437
																			2	21	49	22.92571	84	10	13.06380
																			3	21	49	23.08632	84	10	12.04658
																			4	21	49	22.95783	84	10	10.95441

58017

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			5	21	49	22.74368	84	10	10.00143	
																			6	21	49	22.41175	84	10	9.41251	
																			7	21	49	22.21901	84	10	8.53449	
																			8	21	49	21.23391	84	10	7.32454	
																			9	21	49	20.32370	84	10	4.72260	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						7					
																			10	21	49	20.55934	84	10	4.20863		
																			11	21	49	20.38808	84	10	2.82736		
																			12	21	49	19.85264	84	10	1.69235		
																			13	21	49	17.10079	84	9	59.91490		
																			14	21	49	16.169	84	9	59.807		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						23			82		
																			15	21	49	13.59941	84	9	58.972663		
																			16	21	49	8.65251	84	10	1.78872		
																			17	21	49	7.59246	84	10	3.54476		
																			18	21	49	5.12346	84	10	6.35601		
																			19	21	49	2.00311	84	10	8.91997		
																			2	2	4	1.	8	1	9.		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			0	1	9	51843	4	0	082261		
																			21	21	49	0.85515	84	10	7.930669		
																			22	21	49	4.44444	84	10	5.279339		
																			23	21	49	6.45746	84	10	3.095505		
																			24	21	49	7.98864	84	10	0.236122		
																			25	21	49	12.046	84	9	58.2122		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						82			39		
																			26	21	49	14.43460	84	9	57.80550		
																			27	21	49	20.07750	84	9	59.95773		
																			28	21	49	22.14022	84	10	2.95051		
																			29	21	49	23.78171	84	10	9.52944		
																			30	21	49	25.22	84	10	16.66		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					784			154	
34	Kolabira	Non-Operational	Sand	Sodamal Sand Bed C	Sodamal	491	3424(P)	12.51	5.06	Nadi	Bheden	—	—	—	—	—	—	—	1	21	45	28.56065	84	12	3.31694	64748
																			2	21	45	27.94329	84	12	2.86579	
																			3	21	45	26.72006	84	12	3.19987	
																			4	21	45	25.86921	84	12	2.09343	
																			5	21	45	21.8	84	12	0.20	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						2603			890		
																			6	21	45	19.056866	84	11	58.625559		
																			7	21	45	17.919991	84	11	57.467776		
																			8	21	45	17.137448	84	11	57.176660		
																			9	21	45	12.815581	84	11	52.547663		
																			10	21	45	15.	84	11	50.		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						28283			90294	
																			11	21	45	16.232522	84	11	52.14616	
																			12	21	45	18.966681	84	11	54.96268	
																			13	21	45	28.056229	84	11	59.49808	
																			14	21	45	29.760666	84	12	0.21134	
3	Ko	No	Sa	Bho	Bho	8	63	1	9.3	Na	Bh	__	__	__	__	_	__	__	1	2	4	3	8	1	4	13

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

5	labira	n-Operational	nd	grapli & Samasingha Sand Bed	grapali, Samasingha	3,490	8/1112(P), 1651(P)	6,7 **(Total 23)**	078	di	eden					_				1	5	0.42082	4	0	3.98783	9080
																			2	21	45	27.98859	84	10	47.19946	
																			3	21	45	26.00120	84	10	49.98156	
																			4	21	45	25.25133	84	10	51.77232	
																			5	21	45	25.01610	84	10	51.55771	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			6	21	45	23.704077	84	10	56.06632	
																			7	21	45	20.570100	84	11	0.81324	
																			8	21	45	17.921998	84	11	3.12047	
																			9	21	45	13.591184	84	11	8.478854	
																			10	21	45	11.61445	84	11	7.26868	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						7					
																			11	21	45	12.55106	84	11	5.18917		
																			12	21	45	17.62788	84	10	58.41698		
																			13	21	45	19.57217	84	10	55.04856		
																			14	21	45	22.58620	84	10	48.69094		
																			15	21	45	22.7991	84	10	48.433		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						78			96		
																			16	21	45	23.19582	84	10	48.95149		
																			17	21	45	27.15762	84	10	43.72619		
																			18	21	45	28.16270	84	10	41.85522		
																			19	21	45	29.07894	84	10	40.10638		
																			20	21	45	31.43	84	10	42.24		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					094			457	
36	Kolabira	Non-Operational	Sand	Sodamal Sand Bed	Sodamal	491	423(P), 913, 3361(P)	14.53, 15, 3.08 **(Total 32.61)**	5.88, 6.07, 1.24**(Total 13.19)**	Nadi	Bheden	—	—	—	—	––	—	—	1	21	46	4.12951	84	9	33.854119	30574
																			2	21	46	2.99879	84	9	34.882111	
																			3	21	46	1.68818	84	9	41.889115	
																			4	21	46	0.54033	84	9	45.96660	
																			5	21	45	58.8	84	9	49.1	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						0142			3604		
																			6	21	45	55.64055	84	9	52.75948		
																			7	21	45	51.66589	84	9	54.53908		
																			8	21	45	47.00810	84	9	58.35098		
																			9	21	45	42.15757	84	10	3.52273		
																			10	21	45	40.	84	10	7.4		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					10171			4171	
																			11	21	45	39.81261	84	10	7.48454	
																			12	21	45	38.46345	84	10	13.14884	
																			13	21	45	35.89936	84	10	12.34278	
																			14	21	45	37.23208	84	10	7.44171	
																			1	2	4	3	8	1	6.	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			5	1	5	7.10359	4	0	85279		
																			16	21	45	40.86195	84	10	1.25273		
																			17	21	45	41.73997	84	9	59.17546		
																			18	21	45	42.42526	84	9	58.65079		
																			19	21	45	48.45362	84	9	52.33332		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			20	21	45	52.61673	84	9	49.36732		
																			21	21	45	53.79884	84	9	49.73994		
																			22	21	45	55.39213	84	9	48.82766		
																			23	21	45	57.15245	84	9	46.33494		
																			24	21	45	56.53557	84	9	45.91109		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						0			2		
																			25	21	45	56.72843	84	9	45.55114		
																			26	21	45	57.31949	84	9	45.71818		
																			27	21	45	57.69212	84	9	45.49975		
																			28	21	45	58.56585	84	9	41.25526		
																			29	21	45	59.131	84	9	39.216		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						21			54	
																			30	21	46	0.043350	84	9	36.873372	
																			31	21	46	0.086333	84	9	35.627336	
																			32	21	46	1.731101	84	9	32.397996	
																			33	21	46	1.409779	84	9	32.594498	
37	Lakhanpu	Operation	Sand	Kanaktora San	Kanaktora	196(AJ	1115/2081(	12	4.86	Nadi	Kelo	Sunil Kum	R/o & P.o.-	16-09-2022	EC22B001OR110952	17-0	—	—	1	21	46	11.52	83	28	48.15	90852

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

	r	al		d Bed		A)	P)					ar Pradhan	Mujaguda, P.S. - Bhanjanagar, Dist - Ganjam, Pin - 761132, Mob - 9439834075			8-2022			2	21	46	12.52	83	28	50.83	
																			3	21	46	9.19	83	28	52.40	
																			4	21	46	5.09	83	28	55.10	
																			5	21	46	1.79	83	28	56.40	
																			6	21	45	59.69	83	28	57.20	
																			7	21	45	58.59	83	28	57.60	
																			8	21	45	57.49	83	28	58.20	
																			9	21	45	54.89	83	28	58.60	
																			10	21	45	53.	83	28	57.	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					59			60	
																		11	21	46	2.19	83	28	52.90	
																		12	21	46	6.39	83	28	50.60	
																		13	21	46	8.79	83	28	49.30	
38	Lakhanpur	Operational	Sand	Sukhasoda Sand Bed	Sukhasoda	1	977/1029(P)	7	2.833	Jalabhandar	Mahanadi River	Rabindra Behera	R/o & P.o. Pithinda, P.S. - Rengali, Dist - Jharsuguda, Pin - 768226 (Mob - 993	03-03-2021	SEIAA-740/10-2020	22-01-2021	—	—	1	21	41	7	83	25	27.9	3399 3.6
																		2	21	41	3	83	25	25.4	
																		3	21	40	59.9	83	25	31.5	
																		4	21	41	3.7	83	25	34.1	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

												8173046)													
39	Lakhanpur	Operational	Sand	Chhupali Sand Bed	Chhuipali	1	1(P), 3(P)	10.51, 4.07 (**Total 14.58)**	5.9	Jalabhandar	Kelo	Shree Balaji Engicons Ltd. Director - Sushil Kumar Agrawal	R/o & P.O - Belpahar, P.S. -,Belpahar, Dist - Jharsuguda, Pin 768217, Mob - 9937090719	10-06-2022	EC22B001OR110669	06-05-2022	—	—	1	21	46	33.86	83	32	57.22	855518
																			2	21	46	36.92	83	32	57.13
																			3	21	46	38.25	83	32	58.55
																			4	21	46	38.74	83	32	59.07
																			5	21	46	39.39	83	32	59.59
																			6	21	46	41.12	83	33	0.55
																			7	21	46	43.40	83	33	1.69
																			8	21	46	44.5	83	33	2.31

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					5					
																		9	21	46	45.66	83	33	2.75		
																		10	21	46	50.36	83	33	4.52		
																		11	21	46	52.46	83	33	5.62		
																		12	21	46	53.77	83	33	6.38		
																		13	21	46	55.00	83	33	7.1		
																		14	21	46	54.83	83	33	10.19		
																		15	21	46	40.98	83	33	3.95		
40	Lakhanpur	Operational	Sand	Dudolsingha San	Dudolsingha	1	276/540 (P), 27	7.40, 5.4	3, 2.21 **(Total**	Jalabhandar	IB (Hirakud	—	—	—	—	– –	Mrutyunjaya Pru	At - Gudhiali, PO-	1	21	45	20.935	83	56	14.02	56101

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

		In-Active		d Bed B			6/541(P)	**6(Total 12.86)**	**5.21)**		Reservoir)						seth	Dusolsingha, Dist-Jharsuguda				39			688		
																			2	21	45	17.02716	83	56	16.501888		
																			3	21	45	16.859666	83	56	15.440028		
																			4	21	45	10.512664	83	56	17.530082		
																			5	21	45	10.020009	83	56	12.87447		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																								4		
																			6	21	45	10.876700	83	56	12.607005	
																			7	21	45	10.865999	83	56	12.157333	
																			8	21	45	11.337112	83	56	11.996722	
																			9	21	45	12.150990	83	56	12.360078	
																			1	2	4	1	8	5		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			0	1	5	2.76123	3	6	12.30724		
																			11	21	45	16.65879	83	56	9.38407		
																			12	21	45	16.65879	83	56	9.18063		
																			13	21	45	19.18341	83	56	8.03473		
																			14	21	45	19.60333	83	56	7.67008		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					7			6	
41	Lakhanpur	Operational In-Active	Sand	Dudolsingha Sand Bed C	Dudolsingha	1	276/541(P), 276/542(P)	9.09, 2.91 **(Total 12)**	3.68, 1.18 **(Total 4.86)**	Jalabhandar	IB (Hirakud Reservoir)	—	—	—	—	—	Mrutyunjaya Pruseth	At - Gudhiali, PO- Dusolsingha, Dist - Jharsuguda	1	21	45	37.22400	83	55	5.02800	49764
																			2	21	45	38.01600	83	56	5.02800
																			3	21	45	38.26800	83	56	7.80000
																			4	21	45	32.14800	83	56	10.57200
																			5	21	45	32.0776	83	56	10.176

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						00			00		
																			6	21	45	31.68000	83	56	10.39200		
																			7	21	45	30.45600	83	55	59.59200		
																			8	21	45	30.96000	83	55	59.41200		
																			9	21	45	32.00400	83	55	58.65600		
																			10	21	45	32.97	83	56	9.852		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					600			00	
																		11	21	45	34.596000	83	56	8.880000	
																		12	21	45	34.164000	83	56	0.420000	
42	Lakhanpur	Non-Operational	Sand	Kandheikela Sand Bed	Kandheikela	1	3682/4550(P), 3698/4585(P)	3.50, 3.50 (**Total 7)**	2.83	Jalabhandar	Mahanadi River	—	—	—	—	—	—	—	1	21	39	37.9	83	27	8.1	28328
																			2	21	39	35.6	83	27	18.1	
																			3	21	39	32.1	83	27	18.5	
																			4	21	39	34.4	83	27	9.5	
43	Lakhanpur	Non-Operati	Sand	Dudolsingha San	Dudolsingha	1	276/541(P)	12	4.856	Jalabhandar	IB (Hirakud	—	—	—	—	—	—	—	1	21	45	18.93	83	56	781	58,274.78
																			2	22	44	2	85		6.	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

		on al		d Bed A							Re se rv oir)									1	5	0. 9 3	3	6	0 4	
																		3	2 1	4 5	2 1. 9 9	8 3	5 6	5. 8 2 4		
																		4	2 1	4 5	2 3. 1 4	8 3	5 6	4. 1 5		
																		5	2 1	4 5	2 4. 0 7	8 3	5 6	3. 7 6		
																		6	2 1	4 5	2 4. 4 6	8 3	5 6	3. 2 5		
																		7	2 1	4 5	2 5. 3 9	8 3	5 6	2. 5 8		
																		8	2 1	4 5	2 6. 5 6	8 3	5 6	1. 9 7		
																		9	2 1	4 5	2 6. 9 0	8 3	5 6	1. 7 1		
																		1 0	2 1	4 5	2 8. 1	8 3	5 6	7. 3 9		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																				9					
																		11	21	45	20.48	83	56	13.48	
44	Lakhanpur	Non-Operational	Sand	Amapali Sand Bed	Amapali	1	35/870(P)	14	5.67	Jalabhandar	Kelo	—	—	—	—	—	—	—	1	21	45	21.54139	83	29	50.98055	35886
																			2	21	45	18.47902	83	29	47.30785	
																			3	21	45	15.80213	83	29	45.06997	
																			4	21	45	13.03958	83	29	43.67799	
																			5	2	4	1	8	2	4	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			1	5	1.476279	3	9	3.059099	
																		6	21	45	11.484481	83	29	49.934533	
																		7	21	45	21.447116	83	29	55.051557	
45	Lakhanpur	Non-Operational	Sand	Dudolsingha Sand Bed D	Dudolsingha	1	276/541(P), 276/542(P), 276/543(P)	5.98, 4.99, 1.03 **(Total 12)**	2.42, 2.02, 0.42 **(Total 4.86)**	Jalabhandar	IB (Hiraku d Reservoir)	—	—	—	—	—	—	—	1	21	45	41.014439	83	55	48.671995	35678
																			2	21	45	40.782005	83	55	48.743444	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			3	21	45	40.62326	83	55	49.05060		
																			4	21	45	39.81805	83	55	50.02713		
																			5	21	45	39.61247	83	55	50.78094		
																			6	21	45	38.20397	83	55	52.35595		
																			7	21	45	36.23774	83	55	54.99954		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						4			5		
																			8	21	45	35.88124	83	55	55.28634		
																			9	21	45	34.09593	83	55	56.86285		
																			10	21	45	33.51343	83	55	57.63379		
																			11	21	45	32.01546	83	55	58.65242		
																			12	21	45	32.9664	83	56	9.84664		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						35			2		
																			13	21	45	34.591 90	83	56	8.88274		
																			14	21	45	34.15256	83	56	0.41655		
																			15	21	45	36.13881	83	55	57.34502		
																			16	21	45	37.22254	83	55	56.10903		
																			17	21	45	38.01	83	56	5.026		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						918			30		
																			18	21	45	39.09850	83	56	4.02407		
																			19	21	45	38.52800	83	55	55.26727		
																			20	21	45	38.89206	83	55	55.17276		
																			21	21	45	40.01507	83	55	54.17310		
																			22	21	45	40.5	83	55	53.3		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					8043			8503	
																		23	21	45	41.00945	83	55	51.985562	
																		24	21	45	41.101004	83	55	48.854665	
46	Kirmira	Operational	Sand	Chakbuda Sand Bed	Chakbuda	58(AAA)	1,779	4.49,1.51 **(Total 6)**	1.82,0.61 **(Total 2.43)**	Nadi	Sapei	Krishna Priya Sahu	R/o. At - Chheliapada, Jharmunda, P.O - Bagdehi, P.S. -	23-12-2020	SEIAA-526/09-2020	25-11-2020	—	—	1	21	59	29.112000	84	4	50.988000	48600
																			2	21	59	27.024000	84	4	50.844000	
																			3	21	59	26.	84	4	48.	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

													Laikera, Dist Jharsuguda, Mob - 8328850015									6280 0			0360 0	
																			4	21	59	25.9440 0	84	4	44.2200 0	
																			5	21	59	25.8000 0	84	4	41.3400 0	
																			6	21	59	25.5840 0	84	4	41.0160 0	
																			7	21	59	25.6920 0	84	4	40.8000 0	
																			8	25		28		43		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																				1	9	5.36800	4		7.99200	
																			9	21	59	25.11600	84	4	37.12800	
																			10	21	59	27.02400	84	4	36.87600	
																			11	21	59	28.35600	84	4	47.13600	
																			12	21	59	28.68000	84	4	47.49600	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																		13	21	59	29.00400	84	4	49.90800	
47	Kirmira	Operationa	Sand	Sulehi Sand Bed	Sulehi	257(AAA)	1300	3.01	1.22	Nadi	Sapei	Sushanta Kumar Naik	R/o. At. P.O. - Sulahi, P.S. - Laikera, Dist - Jhasuguda, Mob - 9938463952	23-12-2020	SEIAA-525/09-2020	25-11-2020	—	—	1	21	59	51.93600	84	6	8.06400
																		2	21	59	49.70400	84	6	8.02800	36420
																		3	21	59	49.88400	84	6	5.47200	
																		4	21	59	47.76000	84	6	1.18800	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					0				
																		5	21	59	49.52400	84	6	0.46800	
																		6	21	59	50.85600	84	6	3.49200	
																		7	21	59	51.43200	84	6	5.18400	
48	Kirmira	Operational In-Active	Sand	Bhaunra Sand Bed B	Bhaunra	271	38	12.49	5.05	Nadi	Sapei	—	—	—	—	—	Aditya Sharma	Behid Sitla Mandir, Marwari Para,	1	22	0	42.62400	84	6	59.72400	66075
																			2	22	0	31.788	84	6	54.576	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																		Dist - Jharsuguda, Pin - 768201, Mob - 8658404220				00			00	
																			3	22	0	38.98800	84	6	57.88800	
																			4	22	0	30.13200	84	6	54.14400	
																			5	22	0	26.60400	84	6	51.15600	
																			6	22	0	25.56000	84	6	50.76000	
																			7	22	0	23.76	84	6	49.89	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						000			600		
																			8	22	0	20.62800	84	6	47.08800		
																			9	22	0	18.43200	84	6	44.46000		
																			10	22	0	15.58800	84	6	42.44400		
																			11	22	0	16.56000	84	6	40.46400		
																			12	22	0	17.8	84	6	41.4		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						20000			7200	
																			13	22	0	24.44400	84	6	47.98800	
																			14	22	0	30.06000	84	6	51.73200	
																			15	22	0	37.04400	84	6	55.33200	
																			16	22	0	42.87600	84	6	58.50000	
49	Laike	Oper	San	Muradi	Muradi	11	640(P	9,1	12.735	Nadi	Telen	Push	Village -	29-12-	EC22B001OR	03	—	—	1	21	51	34.	84	11	16.	3579

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

	ra	ational	d	pali Sand Bed	pali	1	), 501, 337(P)	1.07, 11.40 **(Total 31.47)**				pak Kumar Naik	Chandnimal, PS - Laikera, Dist - Jharsuguda, Mob - 9937280535	2022	193315	-12-2022							3080 0			5120 0	7
																			2	21	51	32.8680 0	84	11	18.3840 0		
																			3	21	51	28.9800 0	84	11	14.7120 0		
																			4	21	51	24.5160 0	84	11	13.8480 0		
																			5	21	51	19.8360 0	84	11	14.4600 0		
																			6	2	5	1	8	1	1		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																				1	1	7.46000	4	1	4.67600	
																			7	21	51	11.16000	84	11	16.29600	
																			8	21	51	7.12800	84	11	16.44000	
																			9	21	51	0.39600	84	11	15.93600	
																			10	21	50	59.38800	84	11	16.04400	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																			11	21	50	56.47200	84	11	13.56000		
																			12	21	50	56.25600	84	11	10.10400		
																			13	21	50	57.01200	84	11	5.53200		
																			14	21	50	55.17600	84	11	4.30800		
																			15	21	50	56.1480	84	10	59.6280		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						0			0		
																			16	21	50	57.76800	84	11	0.74400		
																			17	21	50	58.77600	84	11	4.16400		
																			18	21	50	58.95600	84	11	11.76000		
																			19	21	51	0.75600	84	11	13.30800		
																			20	21	51	11.952	84	11	13.596		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																						00			00		
																			21	21	51	19.18800	84	11	10.78800		
																			22	21	51	19.44000	84	11	11.18400		
																			23	21	51	24.08400	84	11	10.53600		
																			24	21	51	28.36800	84	11	11.29200		
																			25	21	51	31.46	84	11	12.94		

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																					400			800	
50	Jharsuguda		Sand	Luhurenkachhar Sand Bed C	Luhurenkachhar	5	1(P)	15	6.07	Nadi	Bheden	—	—	—	—	—	Mukesh Kumar Sharma	At - Marwadipada, Po/P.s./Tah/Dist - Jharsuguda, Mob - 9937503033	—	83	59	13.20	21	45	7.20	72,843.48
51	Jharsuguda		Sand	Tumbekela Sand Bed B	Kherual	1	737(P)	15	6.07	Jalabhandar	Bheden	—	—	—	—	—	Amon Sharma	At - Marwadipada, Po/P.s./Tah/D	—	84	0	43.20	21	47	34.80	72,843.48

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																	ist - Jharsuguda,								
52	Jharsuguda	New	Sand	H. Katapali Sand Bed A	H. Katapali	465	41/5806 (P)	8	3.24	Nadi	IB	—	—	—	—	—	—	—	—	21	53	18.37	83	56	56.88	38,749.76
53	Jharsuguda	New	Sand	Budipadar Sand Bed - B	Budipadar	91	838/939 (P)	10	4.05	Nadi	IB	—	—	—	—	—	—	—	—	21	50	45.74	83	56	44.63	48,562.32
54	Jharsuguda	New	Sand	Jamera Sand Bed - A	Jamera	1	40/896 (P)	8	3.24	Nadi	IB	—	—	—	—	—	—	—	—	21	50	19.91	83	56	52.52	38,749.76
55	Jharsuguda	New	Sand	Talpatia Sand	Talpatia	269	1187/2567(P)	8	3.24	Nadi	IB	—	—	—	—	—	—	—	—	21	55	39.33	84	0	34.52	11800

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

				Bed																					
56	Lakhanpur	New	Sand	Kandheikela Sand Bed A	Kandheikela	1	4293/4590(P)	5	2.023	Jalabhandar	Mahanadi	—	—	—	—	—	—	—	1	21	39	37.15959	83	27	49.76950
																			2	21	39	37.15959	83	27	53.28159
																			3	21	39	37.86629	83	27	53.26017
																			4	21	39	37.15959	83	27	54.38447
																			5	21	39		83	27	55.62

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

																								655	
																		6	21	39	33.733317	83	27	55.701150	
																		7	21	39	33.690034	83	27	48.313327	
																		8	21	39	36.929961	83	27	48.440072	
57	Lakhanpur	New	Sand	Semelia Sand Bed	Semelia	1	1195(P), 1196(P)	19.15, 5.85 (Total	10.12	Jalabhandar	Mahanadi	—	—	—	—	—	—	—	1	21	40	40.105117	83	26	42.420660	
																			2	21	40	39.4	83	26	53.2	

ANNEXURE – V

Final List of Potential mining leases (Existing and Proposed)

								25 Acre)														1988			9950		
																			3	21	40	36.82865	83	26	53.26031		
																			4	21	40	37.00524	83	26	41.99204		
																			5	21	40	28.69089	83	26	40.79305		
																			6	21	40	28.66948	83	26	52.76412		

Final List of Cluster & Contiguous Cluster details

River Name	Cluster No.	Lease No.	Location (Riverbed/ Patta Land)	Village	Area (in Ha)	Total Excavation (Ton)	Total Mineral Excavation (Ton)
IB River	1	NA	River Bed	Panchpada	12.15	NA	NA
		NA	River Bed	Panchpada	10.93	NA	NA
		NA	River Bed	Panchpada	10.93	NA	NA
		NA	River Bed	Panchpada	10.526	NA	NA
		NA	River Bed	Panchpada	6.07	NA	NA
IB River	2	NA	River Bed	Lahandabud	8.099	NA	NA
		NA	River Bed	Lahandabud	4.856	NA	NA
Bheden River	3	NA	River Bed	Katikela	8.3	NA	NA
		NA	River Bed	Katikela	4.14	NA	NA
		NA	River Bed	Katikela	6.07	NA	NA
		NA	River Bed	Katikela	6.07	NA	NA
IB River	4	NA	River Bed	Dudelsingha	4.856	NA	NA
		NA	River Bed	Dudelsingha	5.21	NA	NA
		NA	River Bed	Dudelsingha	4.86	NA	NA
		NA	River Bed	Dudelsingha	4.86	NA	NA

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)
NO CONTIGUOUS CLUSTER FOR SAND QUARRY FOR JHARSUGUDA DISTRICT								

ANNEXURE – VII

Final List Of Transportation Routes for individual leases and leases in cluster

Name of source	Lease No	Transportation Route No	Number of tippers / day of lease	Number of tippers / day of all 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
H.Katapali Sand Bed F	NA	VILLAGE ROAD	4	6	6	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
H.Katapali Sand Bed G	NA	VILLAGE ROAD	3	5	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Sripura Sand Bed B	NA	VILLAGE ROAD	3	5	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Talpatia Sand Bed B	NA	VILLAGE ROAD	2	4	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Charbhati Sand Bed B	NA	VILLAGE ROAD	2	4	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Tangarpali Sand Bed	NA	VILLAGE ROAD	3	5	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Loisingh Sand Bed	NA	VILLAGE ROAD	4	6	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Lahandabud Sand Bed C	NA	VILLAGE ROAD	3	5	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Lahandabud Sand Bed B	NA	VILLAGE ROAD	4	6	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Tharkaspur Sand Bed	NA	VILLAGE ROAD	3	5	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Panchpada Sand Bed A	NA	VILLAGE ROAD	3	5	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Panchpada Sand	NA	VILLAGE	4	6	5	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED

ANNEXURE – VII

Final List Of Transportation Routes for individual leases and leases in cluster

Bed B		ROAD							
Panchpada Sand Bed C	NA	VILLAGE ROAD	4	6	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Panchpada Sand Bed D	NA	VILLAGE ROAD	2	4	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Panchpada Sand Bed E	NA	VILLAGE ROAD	3	5	6	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Sripura Sand Bed C	NA	VILLAGE ROAD	4	6	6	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Jamera Sand Bed C	NA	VILLAGE ROAD	5	7	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Rajpur Sand Bed B	NA	VILLAGE ROAD	3	5	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Katikela Sand Bed A	NA	VILLAGE ROAD	1	3	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Katikela Sand Bed B	NA	VILLAGE ROAD	5	7	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Katikela Sand Bed C	NA	VILLAGE ROAD	4	6	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Katikela Sand Bed D	NA	VILLAGE ROAD	3	5	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Budipadar Sand Bed	NA	VILLAGE ROAD	2	4	3	UNPAVED	UNPAVED	NEW	MAP ATTACHED
Sodamal Sand Bed D	NA	VILLAGE ROAD	5	7	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Parmanpur Sand Bed	NA	VILLAGE ROAD	3	5	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Guchhapali Sand Bed B	NA	VILLAGE ROAD	5	7	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Tareikela Sand Bed	NA	VILLAGE ROAD	7	9	5	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
K. Samasingha Sand Bed	NA	VILLAGE ROAD	6	8	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED

ANNEXURE – VII

Final List Of Transportation Routes for individual leases and leases in cluster

Kulihamal Sand Bed	NA	VILLAGE ROAD	6	8	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Guchhapali Sand Bed	NA	VILLAGE ROAD	6	8	6	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Salhepali Sand Bed	NA	VILLAGE ROAD	5	7	6	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Raghunathpali & Kolabira Sand Bed	NA	VILLAGE ROAD	4	6	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Kolabira Sand Bed B	NA	VILLAGE ROAD	3	5	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Sodamal Sand Bed C	NA	VILLAGE ROAD	4	6	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Bhograpli & Samasingha Sand Bed	NA	VILLAGE ROAD	6	8	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Sodamal Sand Bed	NA	VILLAGE ROAD	3	5	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Kanaktora Sand Bed	NA	VILLAGE ROAD	3	5	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Sukhasoda Sand Bed	NA	VILLAGE ROAD	8	10	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Chhupali Sand Bed	NA	VILLAGE ROAD	3	5	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Dudolsingha Sand Bed B	NA	VILLAGE ROAD	3	5	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Dudolsingha Sand Bed C	NA	VILLAGE ROAD	2	4	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Kandheikela Sand Bed	NA	VILLAGE ROAD	2	4	5	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Dudolsingha Sand Bed A	NA	VILLAGE ROAD	4	6	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Amapali Sand Bed	NA	VILLAGE ROAD	4	6	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED

ANNEXURE – VII

Final List Of Transportation Routes for individual leases and leases in cluster

Dudolsingha Sand Bed D	NA	VILLAGE ROAD	5	7	6	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Chakbuda Sand Bed	NA	VILLAGE ROAD	4	6	6	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Sulehi Sand Bed	NA	VILLAGE ROAD	5	7	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Bhaunra Sand Bed B	NA	VILLAGE ROAD	4	6	2	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Muradipali Sand Bed	NA	VILLAGE ROAD	4	6	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Luhurenkachhar Sand Bed C	NA	VILLAGE ROAD	3	5	3	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
Tumbekela Sand Bed B	NA	VILLAGE ROAD	4	6	4	UNPAVED	UNPAVED	LEASE OWNER	MAP ATTACHED
H. Katapali Sand Bed A	NA	VILLAGE ROAD	3	5	3	UNPAVED	UNPAVED	NEW	MAP ATTACHED
Budipadar Sand Bed - B	NA	VILLAGE ROAD	2	4	2	UNPAVED	UNPAVED	NEW	MAP ATTACHED
Jamera Sand Bed - A	NA	VILLAGE ROAD	2	4	5	UNPAVED	UNPAVED	NEW	MAP ATTACHED
Talpatia Sand Bed	NA	VILLAGE ROAD	3	5	3	UNPAVED	UNPAVED	NEW	MAP ATTACHED
Kandheikela Sand Bed A	NA	VILLAGE ROAD	2	4	2	UNPAVED	UNPAVED	NEW	MAP ATTACHED
Semelia Sand Bed	NA	VILLAGE ROAD	3	5	3	UNPAVED	UNPAVED	NEW	MAP ATTACHED