Sub date - 11/10/2018

COPY FOR LESSEE

MINE PLAN

AND PROGRESSIVE MINE CLOSURE PLAN
(Submitted under Rule 34 of U.P. MMCR-1963)

FOR

SAND/MORRUM

AT

VILLAGE- KHAPATIHA KALA

TEHSIL- PAILANI, DISTRICT- BANDA (U.P)

AT GATA NO- PART OF 100. KHAND NO- 03

AREA- 39.52 ACRE (16.00 HA)

LEASE PERIOD- (FIVE YEAR FROM THE DATE OF EXECUTION OF LEASE)

APPLICANT/LESSEE

SHRI DEVESH MISHRA

J.S. ENTERPRISESS

R/O – SECOND FLOOR,12 SIRAZUDDAULA,SARAINI 12 WATER LU STREET, KOLKATA , WEST BENGAL.

Directorate of Geology and Mining, U.P
APPROVED
with / condition vide letter
No. 1775/MP/17 dated 31/10/18
DIRECTOR

(अनिल कुमार शर्मा)
मुख्य खान अधिकारी
भूतत्व एवं खनिकर्म निदेशालय
उ०प्र० लखनऊ

PREPARED BY

UMESH PRATAP SINGH CHAUHAN
RQP/DDN/165/2005/A
(VALID UPTO 15.03.2025)

4/366, VIKAS NAGAR, LUCKNOW -226022: PHONE 9415195706
Email: upschauhan1953@gmail.com

PREPARED ON 26.09.2018

प्रेषक,

निदेशक,
भूतत्व एवं खनिकर्म निदेशालय, उ0प्र0,
खनिज भवन, लखनऊ।

सेवा में

जिलाधिकारी
बांदा।

संख्याः– 1775 /मा0 प्लान/2017 दिनांक 31/10/2018

विषयः– पट्टाधारक श्री देवेश मिश्रा, जे0एस0इण्डटर प्राईजेज के पक्ष में स्वीकृत जनपद–बांदा मे तहसील–पैलानी, ग्राम–खपटिहा कलां, क्षेत्रफल–16.00 हे0 में उपखनिज साधारण बालू/मौरम के खनन पट्टे हेतु प्राप्त खनन योजना का अनुमोदन के संबंध में।

महोदय,

उपर्युक्त विषय के संदर्भ में सूचित करना है कि उक्त संदर्भित क्षेत्र के संबंध में पट्टाधारक श्री देवेश मिश्रा, जे0एस0इण्डटर प्राईजेज द्वारा प्रस्तुत खनन योजना का अनुमोदन उत्तर प्रदेश उप–खनिज (परिहार) नियमावली, 1963 के नियम–34 के उपनियम (4) के अधीन प्रदत्त अधिकारों का प्रयोग करते हुये दिनांक 31.10.2018 को कर दिया गया है।

1– "खनन योजना" का अनुमोदन निम्नलिखित शर्तों के अधीन किया गया है:–

(अ) "खनन योजना" का अनुमोदन खनन पट्टा विलेख निष्पादन के दिनांक से आगमी 05 वर्ष की अवधि के लिए किया जाता है। खनन क्षेत्र से 320000 घन मी0 प्रति वर्ष खनिज का उत्पादन अनुमन्य किया गया है।

(ब) अनुमोदित अवधि में किये गये खनन कार्य के निरीक्षण के उपरान्त यदि खनन योजना में संशोधन हेतु आदेश दिये जाते है, तब संशोधित खनन योजना प्रस्तुत करने का पूर्ण उत्तरदायित्व पट्टेदार का होगा।

(स) आबद्ध नियोजित श्रमिकों को सुरक्षात्मक उपकरण प्रदान करने तथा सुरक्षित खनन कार्य करने हेतु सभी आवश्यक सावधानियां बरतने का दायित्व पट्टेदार का होगा।

(द) अनुमोदित खनन योजना की एक–एक प्रमाणित प्रति संबंधित जिलाधिकारी कार्यालय एवं निदेशालय के क्षेत्रीय कार्यालय में अभिलेखार्थ यथाशीघ्र प्रस्तुत करने का दायित्व भी पट्टेदार का होगा।

(च) अनुमोदित खनन योजना में विनिहित प्रकिया के अनुसार पट्टेदार द्वारा खनन कार्य न किये जाने के पाये जाने पर पट्टेदार के विरूद्व पट्टे की शर्त का उल्लंघन माना जायेगा और तद्नुसार कार्यवाही की जायेगी।

(छ) खनन योजना को निम्नलिखित अतिरिक्त शर्तो के साथ अनुमोदित किया जाता है:–

1. बेंच की ऊँचाई अधिकतम 01 मी0 एवं बेंच की चौडाई न्यूनतम 10 मी0 होनी चाहिए।
2. खनन कार्य अधिकतम 03 मी0 की गहराई तक या पानी निकलने के तल, जो भी कम हो तक किया जायेगा।
3. खनन कार्य जीरो (0) लेवल से ऊपर की ओर किया जायेगा।
4. खनन पट्टा स्थल पर फर्स्ट एड बॉक्स व स्ट्रेचर रखे जायें।
5. श्रमिकों के लिये श्रमिक विश्राम गृह उनके पीने के पानी आदि की समुचित व्यवस्था की जायें।

MP-letter

6. खनन क्षेत्र से मुख्य मार्ग तक जाने वाले पहुँच मार्ग (कच्चे मार्ग) पर नियमित रूप से जल का छिड़काव किया जायेगा, ताकि वाहनों के आवागमन से उत्पन्न धूल को उड़ने से रोका जा सके।
7. नदी के तटबन्ध से नदी की ओर न्यूनतम 50 मी0 तक खनन कार्य किया जाना वर्जित होगा। जहॉ तक व्यवहारिक हो नदी से तटबन्ध की ओर खनन किया जायेगा।
8. खनन कार्य से निकाले गये मलवे खास कर टॉप स्वायल को व्यवस्थित रूप से एकत्रित कर रखा जायेगा।
9. पर्यावरण स्वच्छता के संबंध में भारत सरकार/राज्य सरकार द्वारा समय-समय पर जारी दिशानिर्देशों एवं माननीय न्यायालय के आदेशों का अनुपालन पट्टाधारक द्वारा किया जायेगा।

2— अस्तु आपसे अनुरोध है कि अनुमोदित खनन योजना की संलग्न मूल प्रति सम्बन्धित पट्टेदार को अनुपालन हेतु उपलब्ध करा कर उनसे प्राप्ति रसीद प्राप्त कर निदेशालय को भिजवाने का कष्ट करें ।

संलग्नक: यथोपरि ।

भवदीय,

(अनिल कुमार शर्मा)
मुख्य खान अधिकारी
कृते निदेशक।

संख्या: (1)/मा0 प्लान/2017 तद् दिनांक ।

प्रतिलिपिः—निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित :—

1—खान अधिकारी, भूतत्व एवं खनिकर्म विभाग, उ0प्र0, जनपद—बांदा।
2—पट्टाधारक श्री देवेश मिश्रा, जे0एस0इण्डटर प्राईजेज, नि0—द्वितीय तल 12 सिराजुदौला सरैनी 12 वाटर लू स्ट्रीट कोलकाता, पं0बंगाल।
3—खनन अनुभाग, भूतत्व एवं खनिकर्म निदेशालय, उ0प्र0, लखनऊ।

(अनिल कुमार शर्मा)
मुख्य खान अधिकारी
कृते निदेशक

MP-letter

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upschauhan
26/09/2018

U. P. S. CHAUHAN
M.Sc. (Geo), L.L.B., R.Q.P, F.A.E.
Mining & Environment Consultant
RQP/DDN/165/2005/A

LIST OF ANNEXURE

I CONSENT LETTER FROM APPLICANT

II COPY OF LETTER OF INTENT

III COPY OF CADASTRAL MAP

IV COPY OF RQP CERTIFICATE

LIST OF PLATES

1. LOCATION PLAN
2. GOOGLE MAP
3. CADASTRAL MAP
4. SURFACE GEOLOGICAL PLAN
5. GEOLOGICAL SECTION
6. WORKING PLAN/ULTIMATE PLAN

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INTRODUCTION

Mining is a major contributor (2'nd) to the national GDP (4%) occupying about 0.11% of total land area (329 m ha) and providing employment generation to 1.1 million people (4 %) of the country **(Saviour, M.N)**

Mining is essentially a destructive development activity where ecology suffers at the altar of economy. Scientific mining operations accompanied by ecological restoration and regeneration of mined wastelands and judicious use of geological resources, with search for eco-friendly substitutes and alternatives must provide sensational revelation to the impact of mining on human eco system.Sand /Morrum has become a very important mineral for the expansion of society. Sand /Morrum is a naturally occurring granular material composed of finely divided rock and mineral particles. Sand /Morrum is one of the world's most plentiful resources (perhaps as much as 20% of the Earth's crust is Sand/Morrum) and has the ability to replenish itself. Sand /Morrum is vital for human well being& for sustenance of rivers. As a resource, Sand /Morrum by definition is 'a loose, incoherent mass of mineral materials and is a product of natural processes.' These processes are the disintegration of rocks and corals under the influence of weathering and abrasion. When Sand /Morrum is freshly formed the particles are usually angular and sharply pointed but they grow gradually smaller and more rounded as they become constantly worn down by the flow or water.

Sand /Morrum is an important mineral for our society in protecting the environment, buffer against strong tidal waves and storm, habitat for crustacean species and marine organisms, used for making concrete, filling roads, building sites, brick, making glass, Sand /Morrum papers,

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reclamations, and in our tourism industry in beach attractions. Sand /Morrum also plays an important role in our tourism industry as it is an integral part of our beach attractions. The composition of Sand /Morrum is highly variable, depending on the local rock sources and conditions, but the most common constituent of Sand /Morrum in inland continental settings and non-tropical coastal settings is silica (silicon dioxide, or SiO2), usually in the form of quartz which because of its chemical inertness and considerable hardness, is the most common mineral resistant to weathering. ISO 14688 grades Sand /Morrums as fine, medium and coarse with ranges 0.063 mm to 0.2 mm, 0.25 mm to 0.50 mm and 0.63 mm to 2.0 mm respectively. Mining of Sand /Morrum is the process of removal of Sand /Morrum and gravel. This practice is now becoming an environmental issue as the demand for Sand /Morrum increases in industry and construction. The role of Sand /Morrum is very vital with regards to the protection of the coastal environment. Although Sand /Morrum is required for development of Human being, but at the same time the damages due to Sand/Morrum mining can't be ignored. Hence an environment friendly mining planhas been developed to collect the Sand/Morrum from the river beds, without disturbing the environment.

This proposal is being prepared for an area of about Area- 39.52 Acre (16.00 Ha) in Village-Khapatiha Kala, Tehsil - Pailani, District- Banda, Uttar Pradesh located in the bank of river Ken, Shri Devesh Mishra J.S. Enterprisess intends to mine out the Sand /Morrum/ from this area. The applicant approaches us to develop a scientific, environment friendly mine plan to work in this area. His consent is attached as **Annexure—I.**

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CHAPTER 1

1.0 GENERAL

a)	Name of the applicant	:	Shri Devesh Mishra J.S. Enterprisess
	Address		R/O – Second Floor, 12 Sirazuddaula, Saraini 12 Water Lu Street, Kolkata , West Bengal
	District		Kolkata
	State		West Bengal
	Pin Code		-
b)	Status of the applicant		Firm
	Private individual		No
	Cooperative		No
	Private Company		No
	Public Company		No
	Public Sector Undertaking		No
	Joint Sector Undertaking		No
	Other		No
c)	Mineral(s) which the applicant intends to mine		Sand /Morrum
d)	Period for which the mining lease is required or granted / renewed		L. O. I is issued dated 27/05/2018, letter vide no 1086/Khanij -30, Banda. Mining Lease period is Five Years from the date of Execution. Copy of this Letter and other necessary documents are attached as **Annexure II**
e)	Name of the RQP		Shri Umesh Pratap Singh Chauhan
f)	Address		4/366, Vikas Nagar, Lucknow-226022

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1.1STATUS OF APPLICANT: Firm

1.2 JUSTIFICATION OF PROJECT

The aim and object to carry on mining operations within the said vicinity of river is well in practice since long years back. Local people used to collect Sand /Morrum for their own requirement. As we aware well that the mineral is being used in construction industry and the industry is developing day by day creating an increased demand of material. This will ensure a constant supply of building materials to the industry as well as create several employments to the local people. Besides the above, mining of minor minerals Sand /Morrum is a constant source of revenue generation to the State Government.

1.3BACKGROUND OF THE PROJECT

Government of Uttar Pradesh through G. O. NO. -1875/86-2017-57(SA)/2017-T.C-01 Dated 14TH August 2017 had made provision of granting five years Lease of mining Sand /Morrum areas situated in river bed /bank in districts of Uttar Pradesh. Invited tenders through E-Tendering Procedures under provisions of U.P Minor mineral (Concession) Rules 1963. Accordingly E Tenders have been invited Sand /Morrum bearing districts and highest bidders have been issued Letter of Intent as per G. O aforementioned. and Lease deed will be executed after approval of Mining Plan and taken Environment Clearance from concerning authorities. Accordingly Letter of Intent is issued in favor of highest bidder through E-Tendering Process.

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Ministry of Environment and Forest, Govt. of India on its order states as under:

"In order to ensure compliance of the above referred order of the Hon'ble Supreme Court dated 27.2.2012, it has now been decided that all mining projects of minor minerals including their renewal, irrespective of the size of the lease would henceforth require prior environment clearance. Mining projects with lease area up to less than 50 ha including projects of minor mineral with lease area less than 5 ha would be treated as category 'B' as defined in the EIA Notification, 2006 and will be considered by the respective SEIAAs notified by MoEF and following the procedure prescribed under EIA Notification, 2006."

It is noted that submission of an approved Mine Plan has now become mandatory for all the mining projects. Reconstituted committee of the Expert Appraisal Committee for Environmental Appraisal of mining Projects constituted under EIA Notification 2006, states at his various meeting points this clearly.

Govt. of Uttar Pradesh, by it's notification no. 2216/86-2020-235-2010 dated 23.20.2012 has made mandatory to prepare mine plan for mining of minor mineral including river bed mining of Sand /Morrum are found in mixed state in river bed. The mining plan will be approved by director Geology & mining and accordingly the mining will be done as per provision incorporated in Rule 34 of U.P. Minor Mineral Concession Rule 1963, 35th amendment. District Survey Report of mineral availability is mandatory. The area detail should be mentioned in DSR with mineral availability.

1.4 Mineral(s) to be mine:	Sand /Morrum
1.5 Name address, registration number of the recognized qualified person	Shri U.P.S. CHAUHAN RQP/DDN/165/2005/A Validity: March 2025 4/366, VIKAS NAGAR, Lucknow-226016 PHONE 9415195706 E-mail upschauhan1953@gmail.com

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1.6 Area and date of expiry of lease: Total 39.52Acre (16.00Ha) lease area was granted to Shri Devesh Mishra J.S. Enterprisess. Now the Lease applied for Five Years from the date of Execution of Lease Deed of as per letter vide no L. O. I is issued dated 27/05/2018, letter vide no 1086/Khanij -30, Banda. Mining Lease period is Five Years from the date of Execution. Copy of this Letter and other necessary documents are attached as **Annexure II** Copy of the letter is annexed as **Annexure II.**

1.7 Description of the area

An area of about Total 39.52Acre (16.00Ha) is granted in village-Khapatiha Kala ,Tehsil- Pailani, District-Banda, Uttar Pradesh. was granted to Shri Devesh Mishra J.S. Enterprisess to extract Sand /Morrum from the above said area. Khasara Map of the area is attached as **Annexure—1V.**

1.8 Basic information of the area

Road: The lease area is situated in front of village Khapatiha Kala. River Ken flows in a zig-zag manner (from North to South) near village Khapatiha Kala.

Drinking water: Hand pumps, wells & bore wells are the main water source for drinking water in nearby areas.

Electricity: All the villages in and around of 5 km radius are electrified.

Education : Primary school is at Khapatiha Kala Junior High School and Intermediate school & PG college is at Banda .

Health: Primary health center is at Banda. Better health facilities are available at Banda.

Post & Telegraph: Nearest post office is at Banda . The lease area is well connected with mobile signals.

Bank: Nearest Bank facility is at Banda .

Police Station: The nearest reporting chaukii is at Banda .

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CHAPTER—2

2.0 LOCATION AND GENERAL DESCRIPTION

2.1 LOCATION

A) DETAILS OF THE AREA

SL No.	Particulars	Description
1	Lease area	39.52Acre (16.00Ha)
2	Village	Khapatiha Kala
3	Tehsil	Banda
4	District & State	Banda, Uttar Pradesh
5	Name of River	Ken
6	Zone no/ Khand no /Gata No	Gata No- Part of 100. Khand No- 03
7	Longitude& Longitude	POINT / LATTITUDE / LONGITUDE A / 25°40'36.12"N / 80°22'06.06"E B / 25°40'32.64"N / 80°21'40.40"E C / 25°40'27.83"N / 80°21'39.12"E D / 25°40'28.47"N / 80°22'09.08"E

2.2 General

SLNo.	Particulars	Description
1	Mineral	River Bed (Minor Mineral) Sand /Morrum
2	Period of Mining Lease	L. O. I is issued dated 27/05/2018, letter vide no 1086/Khanij -30, Banda. Mining Lease period is Five Years from the date of Execution. Copy of this Letter and other necessary documents are attached as **Annexure II**
3	Category of Land	Govt. Land & PrivateLand (Non Forest Land)
4	Ownership of Land	Private
5	Approach Road	Un-metalled road of about 1.5 km long.

Location of Mine is shown in **Plate No. 1**.Google imagery showing in **Plate No.3**, 5 Km radius area is shown in **Plate No. 2.**Surface Geological Plan of the area is shown in **Plate No.**

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3.0 GEOLOGY & RESERVES

3.1 PHYSIOGRAPHY

The lease area has gentle slope towards South East direction. Highest point is at 97.0 mRL towards North West direction of the area where as lowest point 92.0 mRL is within the lease Toward South East Direction. The physiographic features are shown in **Plate No. 3.**

3.2 REGIONAL GEOLOGY

The Ken River is one of the major rivers of the Bundelkhand region of central India, and flows through two states, Madhya Pradesh and Uttar Pradesh. It is a tributary of the Yamuna. The Ken River originates near village Ahirgawan on the north-west slopes of Barner Range in Jabalpur district and travels a distance of 427 km, before merging with the Yamuna at Chilla village, district Banda in Uttar Pradesh at 25°46'N 80°31'E.

Ken has an overall drainage basin of 28,058 km2 , out of which 12,620 km2 belong to Sonar River its largest tributary, whose entire basin lies in Madhya Pradesh; and along its 427 kilometres (265 mi) course it receives water from its own tributaries such as Bawas, Dewar, Kaith and Baink on the left bank, and Kopra and Bearma of the right. Out of its total length of 427 kilometres (265 mi) it flows for 292 kilometres (181 mi) in Madhya Pradesh, 84 kilometres (52 mi) in Uttar Pradesh, and 51 kilometres (32 mi) forms the boundary between the two states.The deposits in these region have been grouped as brown hill Alluvial deposits. Which form from the weathering process, alluvial deposits on the slope are shallow due to erosion and mass wasting processes and usually have moderate surface horizons.the Lease area falls in the Indo-Gangetic plain. This alluvium is a pile of unconsolidated sediments made up of sequence of clay, silt, and different grades of Sand /Morrum. The Sand /Morrums are of varying grade from very coarse to fine occasionally becoming gravelly in nature.

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Sand /Morrum form the principal aquifers.. In the course of its journey it forms depositional landforms like Natural Levees, Point Bars and Longitudinal Bars.

3.3 LOCAL GEOLOGY

Mining area is situated in the bank of Ken River. No soil is present in the area. Sand /Morrum is spread all over the area.

3.4 EXPLORATION

Mining of Sand /Morrum is being done since long time. No specific method of exploration is required as the river borne sediments are deposited all along the river bed and are very well exposed on the surface. Moreover, these sediments are accumulated/ replenished every year during rainy season by river waters to almost more than extracted level depending on the intensity of rains on the upstream side. Adequate quantity of Sand /Morrum in mixed state reserves is available to meet the market demand. There is no possibility of any other mineral to be found in the area.

3.6 METHOD OF ESTIMATION OF RESERVES

River bed mineral reserves have been estimated as per the standard procedures. The area of mining lease and the average thickness of mineral (not more than 3.0m) is multiplied to get the volume.

3.7 CLASSIFICATION OF RESERVES

All the quantity estimated as above is considered under proved (111 category under UNFC classification) category.

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3.8 GEOLOGICAL RESERVES

Particulars	Unit	
Lease area	1,60,000	Sqm
Submerged Lease area under water	17645	Sqm
Area Leaving from water boundary (15m)Towards Workable Area	8,506	Sqm
Total workable Area	1,33,849	Sqm
Average Thickness considered	4	m
Total volume of Mineral	5,35,396	Cum
Total Geological Reserves	**5,35,396**	Cum

The surface Geological Plan is given in **Plate No. 4**

3.9 MINEABLE RESERVES –

As per Letter of Intent annexed at annexure no.3 the mineable reserves has been calculated and approved by the district authorities mineable reserves in the area and are given as follows.

Particulars	Unit	
Total Lease area	1,60,000	Sqm
Submerged Lease area under water	17645	Sqm
Area Leaving from water boundary (15m)Towards Workable Area	8,506	Sqm
Total Workable Lease Area	1,33,849	Sqm
Peripheral Buffer Area 7.5 m	14,458	Sqm
Total Mineable Area after Leaving 7.5m Buffer	1,19,391	Sqm
Total Mineable Reserves (considering 2.80m Depth)	3,20,055	Cum
Highest Point with in the Lease	97.0	mRL
Lowest Point with in the Lease	92 .0	mRL
Zero Level	88.0	mRL
Total Saleable or Sanctioned Reserves as per LOI (considering 2.80 m Depth)	**3,20,000**	Cum

The surface Geological Plan is given in **Plate No. 4**

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3.10 SYSTEMATIC BENCH WISE MINEABLE RESERVES

(Avg) Bench RL in (m)	Area in SQM	Thickness of Slice /Bench Height in (m)	Reserves ROM /Mineable Cum	Closing Balance in Cum	Saleable Reserves in Cum
94-93(Bench -1)	1,19,391	1.0	1,19,391	0	1,19,391
93-92(Bench -2)	1,13,860	1.0	1,13,860	0	1,13,860
92-91(Bench -3)	1,08,505	0.80	86,804	55	86,749
Total			**3,20,055**	**0**	**3,20,000**

The surface Geological Plan is given in **Plate No. 4**

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4.0 MINING

4.1 PROPOSED METHOD OF MINING

Prior to any actual mining being done at a site, it is necessary to remove overburden from the top of the Sand /Morrum formation. Overburden is topsoil or subsoil that is mainly composed of silt, loam, clay, or combinations of the three. Top soil will be kept separate and used on top of the berms once they have reached their final elevation. Finally the berms are seeded and mulched. The berms have multiple purposes; they provide storage for overburden until the mine is reclaimed, they provide a visual barrier between the active mine and roads or adjoining properties, they screen light pollution should the mine be operated after dark, and they act as a noise barrier. Once the overburden has been removed, the Sand /Morrum is excavated. Depending upon the geological formation, Excavation is typically performed manual/ Semi-mechanized means. in which Hand operated tools like spade, taslaetc and Light machineries will be used to collect the Sand /Morrum. The excavated material may be directly loaded into trucks, dumpers, tippers and tractor trolleys and send to the destination wherever it is required for construction and other purposes. Buffer stockpiles may also be formed by manual /Semi-mechanized means, or by trucks may deposit the Sand /Morrum in a pile and a dozer or rubber-tired loader will push the Sand /Morrum, gradually building a large pile that the trucks drive on top of to deposit more Sand /Morrum. Transportation of Sand /Morrum from the mine is a process to deliver mined out material to the location where it is going to be used. Collected/mined out Sand /Morrum will loaded manually/Semi mechanized method into trucks/Dumpes/Tippes /Tractor trolleys/JCB and transported to its destination where the Sand /Morrum will ultimately be used Required machines will be used in making approach road, maintenance of approach

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road and making of culverts as well as removing damaged transportation vehicles.. Sufficient space will be left for loading of trucks.

Excavation of river bed minerals will commence from the top within the area and commence towards down removing the minerals manually in 0.50m slices. Ultimate depth of a bench will be 0.5m.Mining will be restricted upto a maximum depth of 3m only.

The entire area does not require excavating at once. About **3,20,000Cum** production of Sand /Morrum have been proposed to meet the market requirement.

The mineral extraction will be done for a period of Five years from the date of Execution. During this period the areas of mining quarry will be free from submergence. During mining operation the river flow will be away to enable dry pit mining.

In the lease area the river flow being reduced and sediment load get deposited. During flood season, the area gets replenished with sediments and source of erosion at this location is meager.

The General guidelines of the Ministry of Environment and Forests as also of the Geological Survey of India will be followed, the most important is as under:

- Dry pit mining will be followed which means mining at all times will be above the flowing river water level. Mining activity will be immediately stopped when water comes in the mining pits.
- Stream will not be diverted to form inactive channel.
- Mining at the concave side of the river channel will be avoided to prevent bank erosion.
- Mining will be restricted minimum 3m away (inward) from river bank to minimize effect of river bank erosion and to avoid consequent channel migration. Plantation will be done on such area to isolate mining operation from the rest of the area.
- Mining will be restricted in monsoon season i.e 1st July to 30th September.

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* Area of mining lease will be demarcated prior to mining for sustainable development and Pucca Pillars will be erected on ground.
* No mining operations shall be carried out in proximity of any bridge and or embankment.
* Mining will be done Manual /Semi -mechanized Method.
* No mining operations shall be carried out in proximity of any bridge and or embankment. Gate/Check Post with CCTV camera & R.F.I.D Scanner will be built-up and will be ensured all such facility in working condition by the owner.
* Further Rules & Regulations modified time to time by State Govt. Shall be adhered.

The MoEF&CC prescribes following procedures for Sand /Morrum mining;

- Parts of the river reach that experience deposition or aggradation shall be identified first. The Lease holder/ Environmental Clearance holder may be allowed to extract the Sand /Morrum deposit in these locations to manage aggradation problem.
- The distance between sites for \ Sand /Morrum mining shall depend on the replenishment rate of the river.
- Sand /Morrum may be extracted across the entire active channel during the dry season.
- Abandoned stream channels on terrace and inactive floodplains be preferred rather than active channels and their deltas and flood plains. Stream should notbe diverted to form inactive channel.
- Layers of Sand /Morrum which could be removed from the river bed shall depend on the width of the river and replenishment rate of the river.
- Sand /Morrum shall not be allowed to be extracted where erosion may occur ,such as at the concave bank.

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- Segments of braided river system should be used preferably falling within the lateral migration area of the river regime that enhances the feasibility of sediment replenishment.
- Sand /Morrum shall not be extracted within 200 to 500 meter from any Crucial hydraulic structure such as pumping station, water intakes.
- Sand /Morrum could be extracted from the downstream of the Sand /Morrum bar atriver bends. Retaining the upstream one to two thirds of the bar and riparian vegetation is accepted as a method to promote channel stability.
- Flood discharge capacity of the river could be maintained in areas where there are significant flood hazard to existing structures or infrastructure.
- Alternatively, off-channel or floodplain extraction is recommended to allow rivers to replenish the quantity taken out during mining.
- Mining depth should be restricted to 3 meter and distance from the bank should be 3 meter or 10 percent of the river width whichever less.
- Demarcation of mining area with pillars and geo-referencing should be done prior to start of mining.

GSI Guidelines-Geological Survey of India (GSI) has collated/ formulated considered geo-scientific opinions to address issues pertaining to riverbed Sand /Morrum mining :

- Abandoned stream channels on terrace and inactive floodplains may be preferred rather than active channels and their deltas and floodplains .Replenishment of ground water has to be ensured if excessive pumping out of water is required during mining.
- Stream should not be diverted to form inactive channel.
- Mining below subterranean water level should be avoided as a safeguard against environmental contamination and over exploitation of resources.
- Large rivers and streams whose periodic sediment replenishment capacity are larger, may be preferred than smaller rivers.

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- Segments of braided river system should be used preferably falling within the lateral migration area of the river regime that enhances the feasibility of sediment replenishment.
- Mining at the concave side of the river channel should be avoided to prevent bank erosion. Similarly meandering segment of a river should be selected for mining in such a way as to avoid natural eroding banks and to promote mining on naturally building (aggrading) meander components.
- Scraping of sediment bars above the water flow level in the lean period maybe preferred for sustainable mining.
- Mining of Sand /Morrum from the riverbed should be restricted to a maximum depth of 3m from the surface. For surface mining operations beyond this depth of 3m (10 feet), it is imperative to adopt quarrying in a systematic bench- like disposition, which is generally not feasible in riverbed mining. Hence, for safety and sustainability restriction of mining of riverbed material to maximum depth of 3m.is recommended.
- Mining of riverbed material should also take cognizance of the location of the active channel bank. It should be located sufficiently away, preferably more than 3m away (inwards), from such river banks to minimize effects on riverbank erosion and avoid consequent channel migration.
- Identification of river stretches and their demarcation for mining must be completed prior to mining for sustainable development.

4.3 PROPOSED RATE OF PRODUCTION ANDLIFE OF MINE

As per L.O.I about **3,20,000 Cum** per annum of Sand /Morrum is proposed to be swiped out from the mining area. This material will be expected to be replenished during the next rainy Season. The area will have consecutively sufficient material for the next 5 years.

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4.4 YEAR WISE MINING & DEVELOPMENT

Area does not show any outcrop of soil. The production is generally in the form of Sand /Morrum. Mining Permit is granted only for Five Years from the date of Execution of Lease Deed. and Excavation of Sand /Morrum can be done only **3,20,000**/annum

1st year Mining

Considering the above following quantity of Sand /Morrum will be collected from the river bed.

SYSTEMATIC BENCH WISE MINEABLE RESERVES-

(Avg) Bench RL in (m)	Area in SQM	Thickness of Slice /Bench Height in (m)	Reserves ROM /Mineable Cum	Closing Balance in Cum	Saleable Reserves in Cum
94-93(Bench -1)	1,19,391	1.0	1,19,391	0	1,19,391
93-92(Bench -2)	1,13,860	1.0	1,13,860	0	1,13,860
92-91(Bench -3)	1,08,505	0.80	86,804	55	86,749
Total			3,20,055	0	3,20,000

The surface Geological Plan is given in **Plate No. 4**

2nd to 5th year Mining

As mentioned above that the mined out area will be replenished during the monsoon season and the mineral will be filled back over the mined out pit . Planning for 2nd To 5th Year mining will be done systematically bench wise.**(As given in point 4.4)**

4.5 CONCEPTUAL MINE PLAN ANDLIFE OF MINE

As per Letter of Intent issued, the area and the period of mining Lease is fixed and mineable quantity to be excavated along with permissible depth has been calculated through LOI Quantity . The mineable quantity is **3,20,000 Cum** which to be excavated from the area. Since the area is situated in riverbed/bank, No Sand /Morrum will be collected from the proximity of any bridge/embankment. Collection of Sand /Morrum is restricted up to a maximum depth of 3.0m. River/stream will not be diverted in any case. No

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mining is proposed during rainy season This will be replenished during the next rainy season. Area has sufficient material for the mining permit.. The working plan is shown in **Plate No. 6**

CHAPTER—5

5.0 BLASTING

- This is an open cast manual /Semi-Mechanized mine. Mining will be done Manual /Semi -mechanized Method. Sand /Morrum isa loose material. No drilling and blasting is required to undertake mining of riverbed minerals, which consists of Sand /Morrum.

CHAPTER—6

6.0 MINE DRAINAGE

The present mining area is situated in the bank of river Ken. Mining work will not be undertaken during rainy season. The main river/stream will not be diverted in any case.

CHAPTER—7

7.0 DISPOSAL OF WASTE

No soil cover is present. All the material collected from the mine is saleable.

CHAPTER—8

8.0 USE OF MINERAL

Sand /Morrum has become a very important mineral for the expansion of society. Sand /Morrum is a naturally occurring granular material composed of finely divided rock and mineral particles. Sand /Morrum is one of the world's most plentiful resources (perhaps as much as 20% of the Earth's crust is Sand /Morrum) and has the ability to replenish itself. Sand /Morrum is vital for

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human well being &for sustenance of rivers. Mineral excavated from mine is directly sold to market. Material is used in construction industry, infrastructure, making concrete, filling roads, building sites, brick making, reclamation etc.

CHAPTER—9

9.0 MINERAL BENEFICIATION

There is no mineral beneficiation in Sand/Morrum that is why no mineral beneficiation is involved within the lease area. The mined out mineral Sand /Morrum is directly saleable to industries, construction agencies and private individuals as per requirement.

CHAPTER—10

10.0 TRANSPORT

Generally approach roads (Non –Metalled roads) are used to reach the mining site. These approach roads will developed and maintained by the Lease Holder during the period of Lease for transportation purpose. .Trucks, Dumpers, Tipper and Tractor trolleys are usually used to transport the material away from mine. Semi- mechanized method will be used in development and maintenance of approach road, in making of culverts& Plantation. essential machines will be used for wear & tear and repair of transport vehicles. About each trucks (9 Cum capacity) will be engaged to perform the task. Required numbers of trucks will be hired from the registered transporters to perform the task.

CHAPTER—11

11.0 SITE SERVICES

Working Office: Temporary working office will be maintained at site. This will be a temporary structure and can easily shifted one side to another side as &

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when required. Safe drinking water will be kept in covered buckets / clay pitcher and will be provided to mine workers.

Rest Shelter: A temporary structure as a rest shelter to labours will be provided to the workers near mine site.

Primary Health/First Aid: First aid box with principal medicine will be kept at mine site to facilitate the first aid treatment to the workers.

Protective Measures: Shoes and helmet will be provided to all the workers during mining. Regular sprinkling will be done to check the dust pollution. Ear Plug & dust mask will be provided to the workers for their safety measures.

CHAPTER—12

12.0EMPLOYEMENT POTENTIAL

Following direct employment will be generated in this project.

1	Geologist/Mines Manager	1
2	Certified Mines Foreman	2
3	Mine Engineer	1
4	Supervisor	2
5	Guard	4
6	Skilled/unskilled worker	80
	Total	**90**

This project will generate about 100 indirect employments. Truck operators, Puncture-repair works, Dhabas etc. will also get indirect employments.

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13.0ENVIRONMENT MANAGEMENT PLAN

13.1BASE LINE INFORMATION

Land use/Land Cover

Existing land use of the area is barren land.

Water Regime

Surface Water: Lease area is in the bank of river Ken, which is a perennial water body.

Ground Water: Water level in wells varies 10-20m bgl. However, it varies 0-5 m during monsoon season.

Flora & Fauna:

Top soil layer is not present hence the area devoid off any kind of vegetation. Infect, this is a river bank of river Ken where mineral (River Sand /Morrum/Morrum) is spread over the area. Tree species like timber trees areshisham, nim, peepal, siras, ashok, bargad, gular, neonj, amaltasjamun and mango are few common species.

Amphibians and reptiles are common in such type of habitat. Species of fishes like Indian Rohu are also common in river water.

Climate

Temperature: Maximum temperature approx41-45^{0}C during the summer season in the month of May-June and minimum temperature 8-18^{0}C during the December- January.

Rain Fall: Average Annual rain fall in the is around 902mm.

Social Environment:

Peoples, mainly in this area belong to Hindu community.

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Occupation

The main occupation in the area is agricultural. Teaching, small business, mining is the other main occupations in nearby villagers.

Drinking Water:

Hand pumps, wells & bore wells are the main water source for drinking water in nearby areas.

Social Building & Historical Monuments:

No such building/monument is located within 2 km periphery of this mine. Panchayat Ghar is common in the surrounding villages.

Impacts & Mitigation

The possible impacts and their mitigation are described ahead:

Sl. No.	Impacts	Mitigation
1	Land use / Land cover	Change in topography due to mining is always a negative impact leaving ugly pits. This river bed extraction project does not have any such type of impacts. Sand /Morrum collected will be replenished during the coming rainy season.
2	Flora and Fauna	As stated earlier the core zone of activity is barren. Any kind of vegetation is not seen on the activity area. Therefore no effect on floral community is anticipated. Mining or Collection of Sand /Morrum is being proposed in a small piece of land. No major impact is being anticipated in core zone.
3	Air Pollution	During the collection of Sand /Morrum dust particle will be generated. Air pollution will also increase due increased vehicular activity. Water sprinkling will be done at dust generating

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		places. Masks will be provided to workers at work place.
4	Noise Pollution	Increased vehicular traffic is the main source of Noise Pollution. There will be no blasting activity. Collection of Sand /Morrum will be done only day hours. Earmuffs will be provided to workers of loading points.
5	Rehabilitation and Resettlement	The activity zone is very small. No migration will takes place. Therefore, there is no R & R Plan.

Remedial measures suggested for this mining (if any) is as below:

Activity	Probable Impact	Remedial Measure suggested
Drilling/Blasting	N.A	For Particulate Matter Regular water sprinkling in haul roads & work site. Dust collection system will be adopted wherever necessary
Loading	Generation of Particulate Matter and noise	
Transportation	Generation of Particulate Matter and noise	
Overall	Change in Land-Use — The land use is mainly rocky barren. Ultimate land-use will be a water reservoir and part of rocky barren area will be developed as fields for agriculture.	For socioeconomic status A comprehensive Rural Development Programme for surrounding community, besides direct and indirect employment
	Loss of vegetation — The vegetation is sketchy, The plantation to be undertaken will add more than removal	For Loss of Vegetation Massive Plantation in the surrounding area in consent with community, besides, development of a vegetative

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		barrier.
	Change in water balance — The water table is deep (occurs as pocket) and not likely to interfere with mining. The ultimate land-use, a water reservoir will add to base flow	For Water Contamination • Toe retaining walls along the dumps to check washouts • Check dams in coarse of outgoing rain water or Water harvesting pits
	Contamination of surface water — The granite being an inert rock, the water passing through it will not get any adverse effect.	

Environment Management

Solid Waste management

The applied area is in the bank of river Ken. The area is devoid of top soil layer. No solid waste is generated during the course of mining/collection of Sand /Morrum. All the material collected from the proposed mine is saleable.

Municipal Waste:

All the labours engaged in activity are in nearby villages. Thus the municipal waste generated is minimal. Mobile toilet will be provided if required.

Hazards Waste Management:

The activity is limited to collect Sand /Morrum from the banks of river and dispatch to buyers. Domestic hand tools will be implied to perform the activity. Trucks used in transportation will be hired from outside. Required Diesel will

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be filled from the public outlets. No washing activity will be done within the proposed lease area. Therefore, no such waste will be generated.

CHAPTER—14

14.0 CONCLUSION

This mining area is small and in the close to the vicinity of river. Infect Sand /Morrum will be collected from the bank of river. Mostly local peoples are employed in this activity. There will be no adverse affect of this activity on the river flow. Instead excavation of Sand /Morrum is necessary to avoid flooding in monsoon in nearby areas.

Sand /Morrum has become a very important mineral for the expansion of society. Sand /Morrum is a naturally occurring granular material composed of finely divided rock and mineral particles. Sand /Morrum is one of the world's most plentiful resources (perhaps as much as 20% of the Earth's crust is Sand /Morrum) and has the ability to replenish itself. Sand /Morrum isvital for human well being& for sustenance of rivers.

Besides to generate a number of direct employments, indirect employment will also generated in this area by this activity. This is also a source to generate revenue to the Government.

It can be concluded from the above facts that the mining/collection of Sand /Morrum from this area will not have any adverse impacts but would help in improving the socioeconomic condition of the surround villages. **Hence this mining plan may kindly be approved at earliest.**

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PROGRESSIVE MINE CLOSURE PLAN

1. Introduction:

(a) Name of Applicant: Shri Devesh Mishra
J.S. Enterprisess

(b) Status of Lessee: Firm

(c) Location: The area is situated at At Gata No. Part of 100 ,Khand no,03 in the village-Khapatiha Kala ,Tehsil-Pailani ,District-Banda. The site is shown in **Plate No.1.**

d) Extent of Lease area: **39.52 Acre (16.00 Ha)**

e). Type of lease area: The land applied for mining lease is mainly barren/grazing land.

f). Present land use pattern: The area is situated in the bank of river Ken. Existing land-use within Leasehold can be categorized as grazing land.

i) Method of mining and mineral processing:

No mining is being carried at present. Area shows natural topography. Mining pits if any during past year due to mining activityis replenished by the river during monsoon.

1.1 Reason for Closure:

The progressive mine closure plan is being submitted, under amended Rule 23 (B) MCDR 1988&34 of amended rules of UP MMCR 1963. **No premature closure is anticipated.**

1.2 Statutory Obligations:

As per rule 23 B of MCDR 1988 &34 of amended rules of UP MMCR 1963, for every fresh grant of mining lease a progressive mine closure plan is required to be submitted in compliance of the aforesaid rule of MCDR 1988, the progressive mine closure plan is being in accordance with the guidelines issued by CCOM vide circular no. 14/2003 & 19/2003.

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1.3 Closure plan preparation:

a). Name and address of the Applicant:
Shri Devesh Mishra J.S. Enterprisess
R/O – Second Floor,12 Sirazuddaula, Saraini 12 Water Lu Street,
Kolkata , West Bengal

b). Name, address & Registration No of R.Q.P.:

Sri UmeshPratap Singh Chauhan
4/366 Vikash Nagar, Lucknow-226022
E-mail ID: upschauhan1953@gmail.com
Registration No. RQP/DDN/165/2005/A
Valid upto 15.03.2025

c). Name of the executing agency:

The lessee himself shall execute the provisions of mine closure plan.

2.0 MINE DESCRIPTION:

GEOLOGY:

2.1 PHYSIOGRAPHY

The lease area has gentle slope towards South East direction. Highest point is at 97.0 mRL towards North West direction of the area where as lowest point 92.0 mRL is within the lease Toward South East Direction. The physiographic features are shown in **Plate No. 3.**

2.2 REGIONAL GEOLOGY

The Ken River is one of the major rivers of the Bundelkhand region of central India, and flows through two states, Madhya Pradesh and Uttar Pradesh. It is a tributary of the Yamuna. The Ken River originates near village Ahirgawan on the north-west slopes of Barner Range in Jabalpur district and travels a distance of 427 km, before merging with the Yamuna at Chilla village, district Banda in Uttar Pradesh at 25°46'N 80°31'E.

Ken has an overall drainage basin of 28,058 km2 , out of which 12,620 km2 belong to Sonar River its largest tributary, whose entire basin lies in Madhya

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Pradesh; and along its 427 kilometres (265 mi) course it receives water from its own tributaries such as Bawas, Dewar, Kaith and Baink on the left bank, and Kopra and Bearma of the right. Out of its total length of 427 kilometres (265 mi) it flows for 292 kilometres (181 mi) in Madhya Pradesh, 84 kilometres (52 mi) in Uttar Pradesh, and 51 kilometres (32 mi) forms the boundary between the two states.The deposits in these region have been grouped as brown hill Alluvial deposits. Which form from the weathering process, alluvial deposits on the slope are shallow due to erosion and mass wasting processes and usually have moderate surface horizons.the Lease area falls in the Indo-Gangetic plain. This alluvium is a pile of unconsolidated sediments made up of sequence of clay, silt, and different grades of Sand /Morrum. The Sand /Morrums are of varying grade from very coarse to fine occasionally becoming gravelly in nature. Sand /Morrum form the principal aquifers.. In the course of its journey it forms depositional landforms like Natural Levees, Point Bars and Longitudinal Bars.

2.3 LOCAL GEOLOGY

Mining area is situated in the bank of Ken river. No soil is present in the area. Sand/Morrum is spread all over the area.

2.4 EXPLORATION

Mining of Sand /Morrum is being done since long time. No specific method of exploration is required as the river borne sediments are deposited all along the river bed and are very well exposed on the surface. Moreover, these sediments are accumulated /replenished every year during rainy season by river waters to almost more than extracted level depending on the intensity of rains on the upstream side. Adequate quantity of Sand /Morrum in mixed state reserves is available to meet the market demand. There is no possibility of any other mineral to be found in the area.

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2.5 METHOD OF ESTIMATION OF RESERVES

River bed mineral reserves have been estimated as per the standard procedures. The area of mining lease and the average thickness of mineral (not more than 3.0m) is multiplied to get the volume.

2.6 CLASSIFICATION OF RESERVES

All the quantity estimated as above is considered under proved (111 category under UNFC classification) category.

2.7 GEOLOGICAL RESERVES

Particulars	Unit	
Lease area	1,60,000	Sqm
Submerged Lease area under water	17645	Sqm
Area Leaving from water boundary (15m)Towards Workable Area	8,506	Sqm
Total workable Area	1,33,849	Sqm
Average Thickness considered	4	m
Total volume of Mineral	5,35,396	Cum
Total Geological Reserves	**5,35,396**	Cum

The surface Geological Plan is given in **Plate No. 4**

3.9 MINEABLE RESERVES –

As per Letter of Intent annexed at annexure no.3 the mineable reserves has been calculated and approved by the district authorities mineable reserves in the area and are given as follows.

Particulars	Unit	
Total Lease area	1,60,000	Sqm
Submerged Lease area under water	17645	Sqm
Area Leaving from water boundary (15m)Towards Workable Area	8,506	Sqm
Total Workable Lease Area	1,33,849	Sqm
Peripheral Buffer Area 7.5 m	14,458	Sqm
Total Mineable Area after Leaving 7.5m Buffer	1,19,391	Sqm
Total Mineable Reserves (considering 2.80m Depth)	3,20,085	Cum

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Highest Point with in the Lease	97.0	mRL
Lowest Point with in the Lease	92 .0	mRL
Zero Level	88.0	mRL
Total Saleable or Sanctioned Reserves as per LOI (considering 2.80 m Depth)	**3,20,000**	Cum

The surface Geological Plan is given in **Plate No. 4**

3.10 SYSTEMATIC BENCH WISE MINEABLE RESERVES

(Avg) Bench RL in (m)	Area in SQM	Thickness of Slice /Bench Height in (m)	Reserves ROM /Mineable Cum	Closing Balance in Cum	Saleable Reserves in Cum
94-93(Bench -1)	1,19,391	1.0	1,19,391	0	1,19,391
93-92(Bench -2)	1,13,860	1.0	1,13,860	0	1,13,860
92-91(Bench -3)	1,08,505	0.80	86,804	55	86,749
Total			**3,20,055**	0	**3,20,000**

The surface Geological Plan is given in **Plate No. 4**

2.10 Proposed Mining Method:

The General guidelines of the Ministry of Environment and Forests as also of the Geological Survey of India will be followed. The most important is as under:

- Dry pit mining will be followed which means mining at all times will be above the flowing river water level. Mining activity will be immediately stopped when water comes in the mining pits.
- Stream will not be diverted to form inactive channel.
- Mining at the concave side of the river channel will be avoided to prevent bank erosion.
- Mining will be restricted minimum 3m away (inward) from river bank to minimize effect of river bank erosion and to avoid consequent channel

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migration. Plantation will be done on such area to isolate mining operation from the rest of the area.

- Mining will be restricted in monsoon season i.e 1st July to 30th September.
- Area of mining lease will be demarcated prior to mining for sustainable development and Pucca Pillars will be erected on ground.
- No mining operations shall be carried out in proximity of any bridge and or embankment.
- Mining will be done Manual /Semi -mechanized Method. In which Tactors-trolly ,Dumpers may be used as per requirement to collect the Sand /Morrum /Morrum.Gate/Check Post with CCTV camera & R.F.I.D Scanner will be built-up and will be ensured all such facility in working condition by the owner.
- Further Rules & Regulations modified time to time by State Govt. Shall be adhered.

The MoEF&CC prescribes following procedures for Sand /Morrum mining;

- Parts of the river reach that experience deposition or aggradation shall be identified first. The Lease holder/ Environmental Clearance holder may be allowed to extract the Sand /Morrum deposit in these locations to manage aggradation problem.
- The distance between sites for Sand /Morrum mining shall depend on the replenishment rate of the river.
- Sand /Morrum may be extracted across the entire active channel during the dry season.
- Abandoned stream channels on terrace and inactive floodplains be preferred rather than active channels and their deltas and flood plains. Stream should notbe diverted to form inactive channel.
- Layers of Sand /Morrum which could be removed from the river bed shall depend on the width of the river and replenishment rate of the river.

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- Sand /Morrum shall not be allowed to be extracted where erosion may occur,such as at the concave bank.
- Segments of braided river system should be used preferably falling within thelateral migration area of the river regime that enhances the feasibility of sediment replenishment.
- Sand /Morrum shall not be extracted within 200 to 500 meter from any Crucial hydraulic structure such as pumping station, water intakes.
- Sand /Morrum could be extracted from the downstream of the Sand /Morrum bar at river bends. Retaining the upstream one to two thirds of the bar and riparian vegetation is accepted as a method to promote channel stability.
- Flood discharge capacity of the river could be maintained in areas where there are significant flood hazard to existing structures or infrastructure.
- Alternatively, off-channel or floodplain extraction is recommended to allow rivers to replenish the quantity taken out during mining.
- Mining depth should be restricted to 3 meter and distance from the bank should be 3 meter or 10 percent of the river width whichever less.
- Demarcation of mining area with pillars and geo-referencing should be done prior to start of mining.

GSI Guidelines-Geological Survey of India (GSI) has collated/ formulated considered geo-scientific opinions to address issues pertaining to riverbed Sand /Morrum mining :

- Abandoned stream channels on terrace and inactive floodplains may be preferred rather than active channels and their deltas and floodplains. Replenishment of ground water has to be ensured if excessive pumping out of water is required during mining.
- Stream should not be diverted to form inactive channel.
- Mining below subterranean water level should be avoided as a safeguard against environmental contamination and over exploitation of resources.

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- Large rivers and streams whose periodic sediment replenishment capacity are larger, may be preferred than smaller rivers.
- Segments of braided river system should be used preferably falling within the lateral migration area of the river regime that enhances the feasibility of sediment replenishment.
- Mining at the concave side of the river channel should be avoided to prevent bank erosion. Similarly meandering segment of a river should be selected for mining in such a way as to avoid natural eroding banks and to promote mining on naturally building (aggrading) meander components.
- Scraping of sediment bars above the water flow level in the lean period maybe preferred for sustainable mining.
- Mining of Sand /Morrum from the riverbed should be restricted to a maximum depth of 3m from the surface. For surface mining operations beyond this depth of 3m (10 feet), it is imperative toadopt quarrying in a systematic bench- like disposition, which is generally not feasible in riverbed mining. Hence, for safety and sustainability restriction of mining of riverbed material to maximum depth of 3m.is recommended.
- Mining of riverbed material should also take recognizance of the location of the active channel bank. It should be located sufficiently away, preferably more than 3m away (inwards), from such river banks to minimize effects on riverbank erosion and avoid consequent channel migration.
- Identification of river stretches and their demarcation for mining must be completed prior to mining for sustainable development.

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3.0Review of implementation of mining plan/scheme of mining including next five years progressive closure plan up to the final closure of mine:

No significant activity was taken-up during last 1 years in connection with mining and allied activities.

The activity proposed during the three year plan period is summarized as below:

SrNo.	Activity	Particulars
1	Exploration & Mine Development	At present there is no mining. About **39.52**Acre will be exploited to get the required production during 1st year.
2	Disposal of Solid Waste	All the quantity of mineral has ready market. There is no solid waste during mining.
3	Reclamation & rehabilitation	Reclamation & rehabilitation activity is limited in the close vicinity of mine by plantation in the haul road, village plantation with the consent of Surpanch and villagers.
4	Control of Dust	Sprinkling is proposed to reduce the dust generated during mining and allied activity.
5	Noise & Ground Vibration	Green barrier developed all along the roads will help to keep the noise within permissible limits.
6	Afforestation	Plantation will be done in the haul roads, village plantation will be done with the consent of Surpanch and villagers.

4.0 Closure Plan:

4.1. Mined out land:

No proposal can be given for concurrent back-filling. Further, mined out pits will be replenished every by the river.

4.2. Water Quality Management:

Mining activity (collecting Sand /Morrum) will be done in the bank of river Ken

4.3 Air Quality Management:

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- Mining in Sand /Morrum(collection of Sand /Morrum from a river bed) is done in the bank of a river. The material is already wet. Thus, does not increase much air pollution.
- Water sprinkling on mine roads will regularly be undertaken to control dust during transportation

4.4 Waste Management:

All the material excavated from mine has a ready market. Therefore, there will be no waste stacks.

4.5 Top Soil Management:

No top soil is present.

4.6 Tailing Dam Management:

No processing of mineral is proposed in the plan. Hence, no tailing dam is proposed.

4.7. Infrastructure:

As on date no infrastructure facilities like aerial ropeway, conveyor belts, power lines, building & structures, water treatment plant, transport & water supply sources are present within the area. Therefore, at present there is no question of utilization.

Disposal of Mining Machinery:

No mining machinery is used in the collection of Sand /Morrum. It will be a manual mine. Truck/Vehicle will be hired from the market. Hand tools will be used to collect the Sand /Morrum.

4.9. Safety and Security:

Presently area has been granted for 5 years period. Mines out pits will naturally replenished every year by the river

4.10. Disaster Management and Risk Assessment:

Disaster Management plan is a comprehensive and structured system for ensuring the prevention of risks/disasters involved. The proposed mining is open cast manual mine. In an open cast mine a major emergency in a mine is one that may cause serious injury or loss of life to the workers engaged in the mining and allied operations. Therefore, the first action under the disaster management is the identification of risks involved and measures to counter them. From this risk assessment the identified hazards in proposed mine may be as below:

i). Use of explosives and the blasting operation
ii). Slope Failures in open pit or fall of machinery.
iii). Road Accidents

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/165/2005/A

Each parameter is discussed below:

i). Use of explosive and the blasting operation:
No explosive is proposed to be used in the mining activity.

ii). Slope failures/ Fall of machinery:
No machinery is being proposed to used in the collection of Sand /Morrum.

iii). Road Accidents:
A code of traffic management will be developed within 6 months of operations and will be strictly adhered. Further, Regular capacity building of drivers and spot boys will be under taken of safety aspects during transport.

It is stated earlier that ground water table is quite below the working levels. However, the rain water accumulated in the pits will be pumped out. Problem of inundation of pit is not foreseen.

4.11 Care and Maintenance during Temporary Discontinuance:

At the time of temporary discontinuance of mine, notice (as per rule 24 of MCDR 1988 & Reg. 6 of MMR 1961) shall be sent to IBM and mines safety Authorities. Notices shall be accompanied as per Rule 24 of MCDR 1988, vide form No. D-1. All precautionary steps shall be taken into account in respect of care & maintenance. Further, all access to pit will be properly secured. A joint committee with villagers will be formed to monitor the safety situation of the temporary discontinued mine. The committee will visit periodically (at least once in every month).

5.0 Economic Repercussions of Closure of mine and manpower retrenchments:

The land used of the area for mining is grazing land. At present, it is not used for any purpose. In mining activity about 35Laborswill get direct employment besides, more than 50 indirect employments.

6.0 Time Scheduling for Reclamation & Rehabilitation:

No reclamation or rehabilitation activity is proposed.

7.0 Abandonment Cost:

The tentative cost for implementing the protective and rehabilitation measures propose in the mining activity is limited.

8.0 Any other information:

The lessee also intends to spend some amount towards community service. The figures are tentative and are subject to generation of profit. Around of 5 % of the profit will be diverted towards this activity.

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9.0 Financial Assurance:

The financial assurance has been calculated on the basis of following parameters:

Activity	Area used during as on date (Acre)	Area used during Plan Period (Acre)	Rate of Financial Assurance in 15000/Acre	Total Amount in Rs.
Mining	Nil	39.52	5,92,800	5,92,800
Storage and reclamation of soil	Nil	Nil		
Infrastructure	Nil	Nil		
Total		**39.52**	**5,92,800**	**5,92,800**

Area considered for Financial Assurance: 16.00Ha or 39.52Acre
The amount of Financial Assurance: Rs. 5.93 Lac/-

According to rule 34 of amended rules of UP MMCR 1963, the minimum amount as a financial assurance is Rs. **2.0** lakh.

Thus the applicant shall submit a financial assurance of Rs. **5,93 Lac** as applicable to the district officer or the officer authorized by the State Government in this behalf.

10.0 Certificate:

Given separately & enclosed.

11.0 Plans and Sections:

All the plans and sections are enclosed with the Plan.

Date: 26-09-2018
Place: Banda

26/09/2018

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LOCATION PLAN

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PLATE NO-1

SITE LOCATION

10 KM RADIUS BUFFER MAP OF PROJECT SITE ON GEOREFRENCED TOPOSHEET

LEGEND

PROJECT SITE

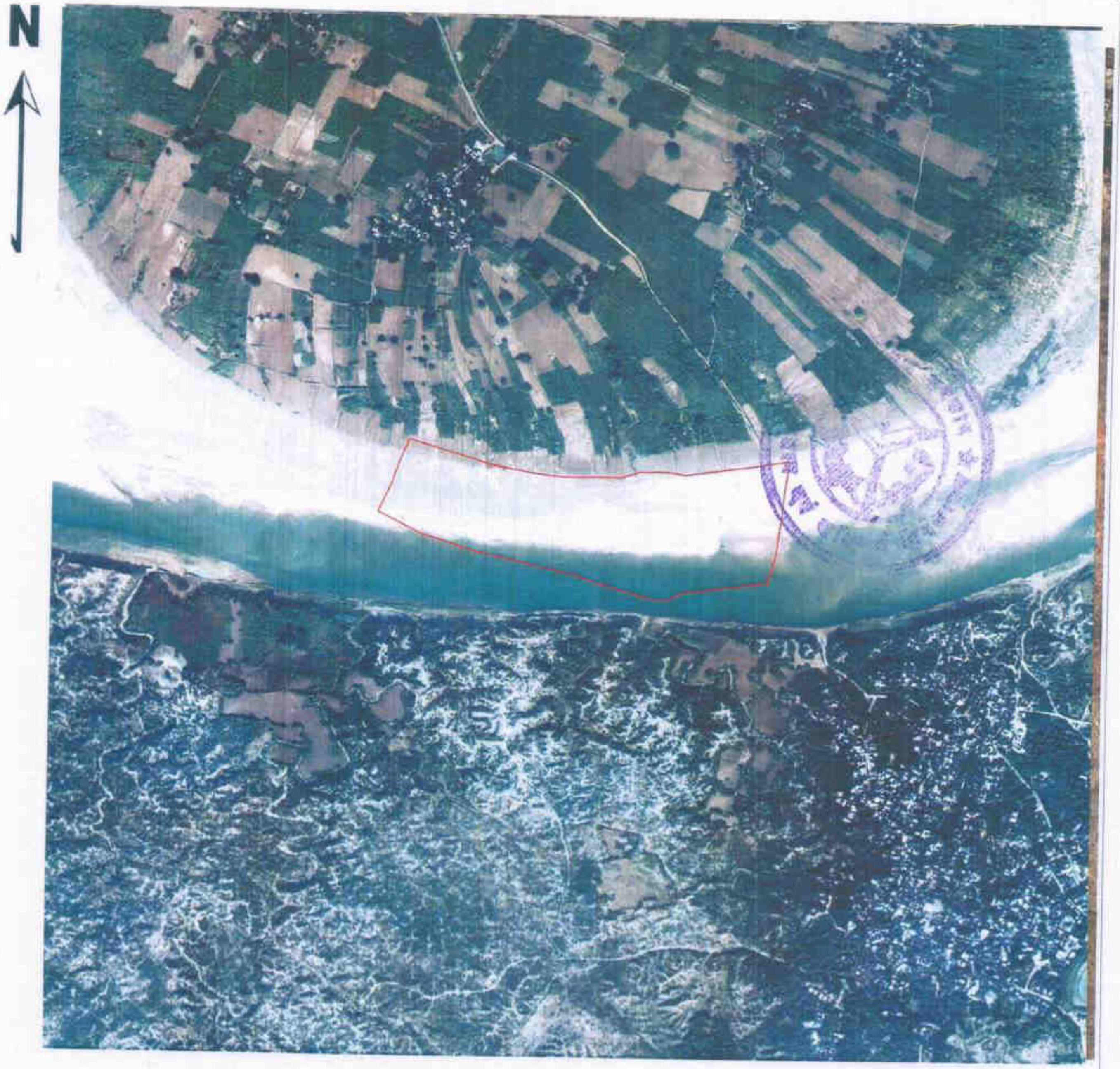
10 KM

TOPOSHEET INDEX	
63C/1	63C/5
63C/2	63C/6

CONVENTIONAL SYMBOLS

Coordinate System: GCS WGS 1984

Datum: WGS 1984 Units: Degree



LEASE AREA

GOOGLE MAP

PLATE NO - 3

J. S. ENTERPRISES

SAND/ MORRUM
AT GATA NO. PART OF 100, KHAND NO.; 03
AREA- 36.52 ACRE (16.00 HA)
VILLAGE- KHAPATHIHA KALA, TEHSIL- PAILANI, DISTRICT- BANDA (U.P)

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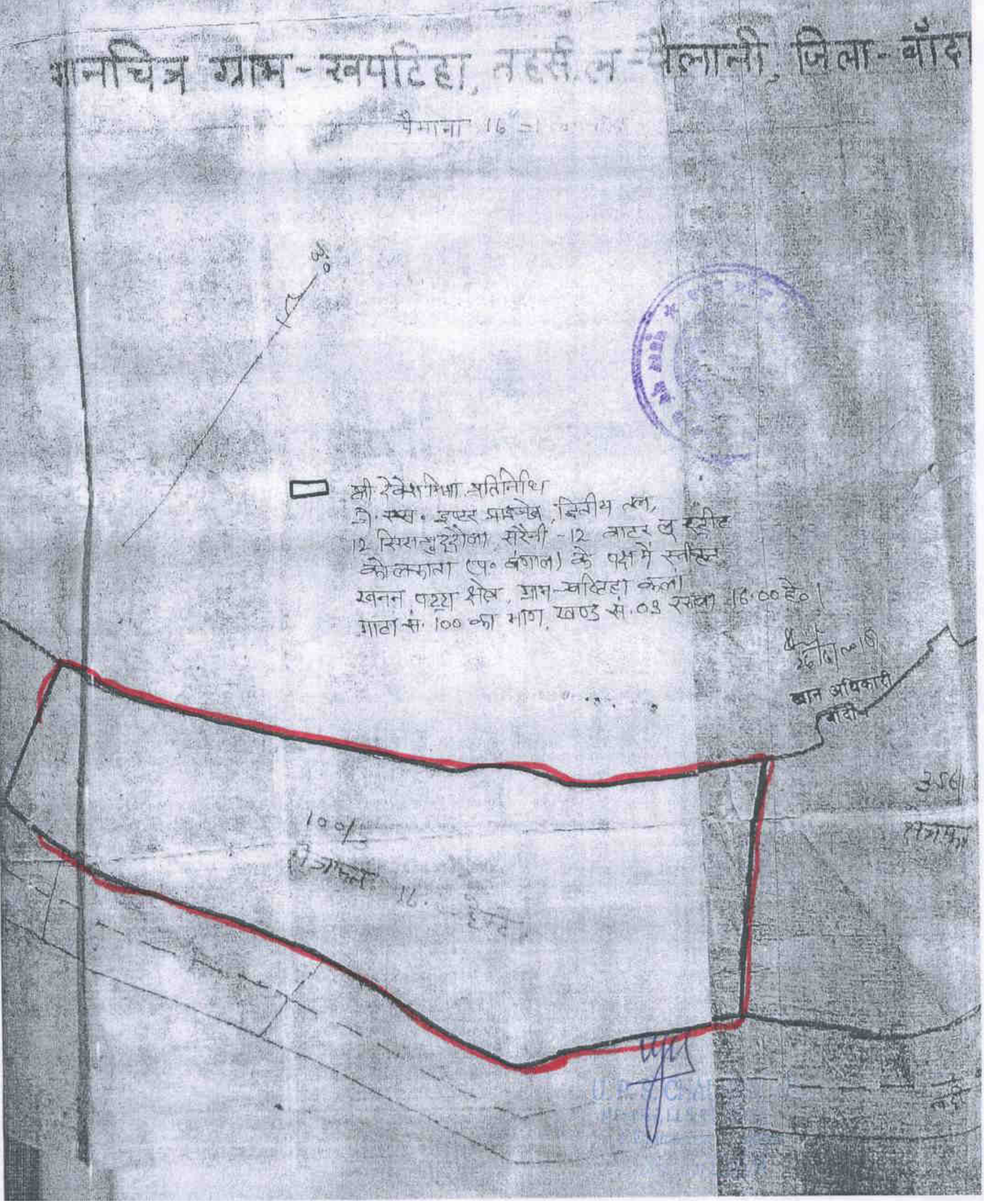
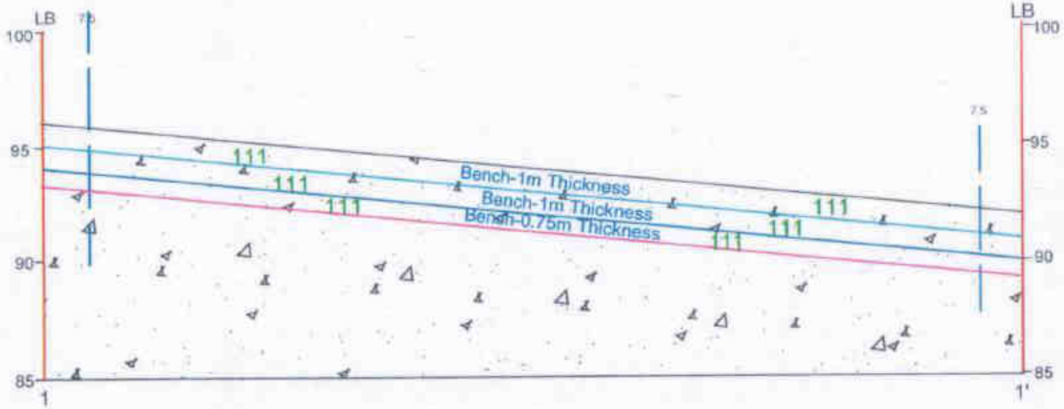
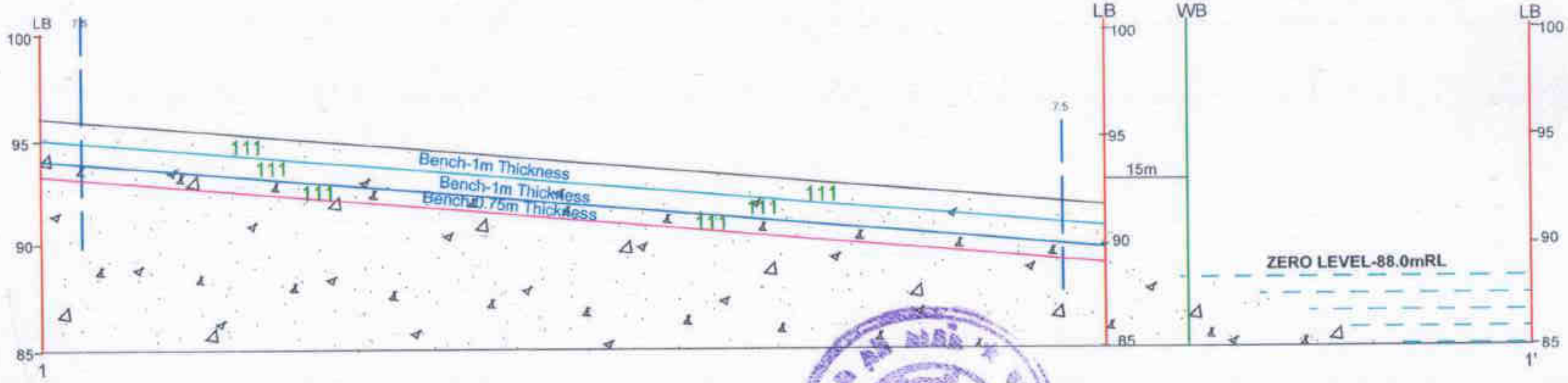

मानचित्र ग्राम-खपटिहा, तहसील-पैलानी, जिला-बाँदा
पैमाना 16" =
श्री रितेश मिश्रा प्रतिनिधि
जी. एस. इण्टर प्राइजेज, द्वितीय तल,
12 सिराजुद्दौला सरैनी -12 वाटर लू स्ट्रीट
कोलकाता (प. बंगाल) के पक्ष में स्वीकृत
खनन पट्टा क्षेत्र, ग्राम-खपटिहा कला
गाटा सं. 100 का भाग, खण्ड सं. 03 रकबा 16.00 हे.।
खान अधिकारी
बाँदा
100/



SECTION 1-1'



SECTION 2-2'

INDEX

—	LEASE BOUNDARY
—	7.5 M. STRIP
111	PROVED MINERAL RESERVE
122	PROBABLE MINERAL RESERVE
333	POSSIBLE MINERAL RESERVE
—	WATER BOUNDARY

GEOLOGY

RIVER MORRUM

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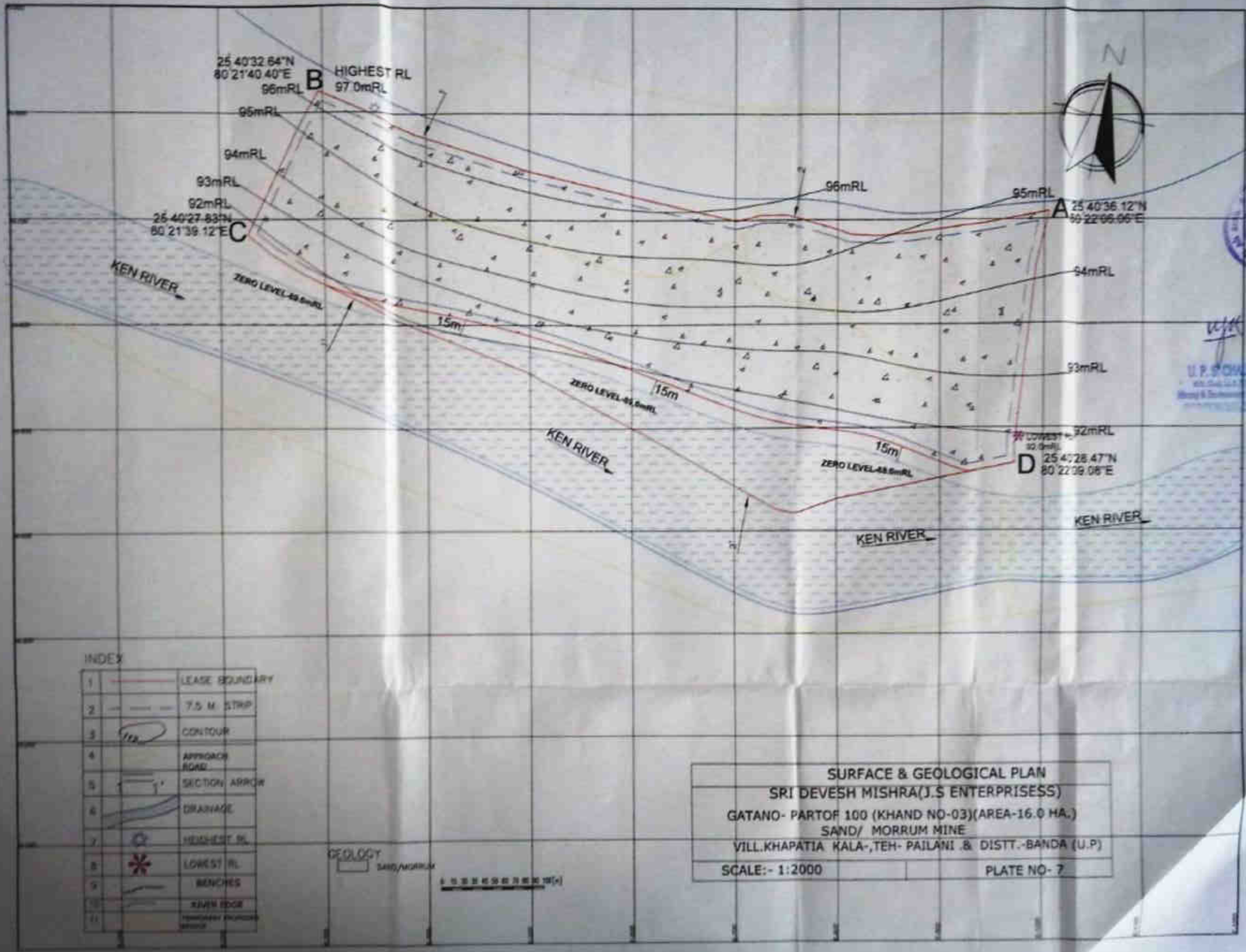
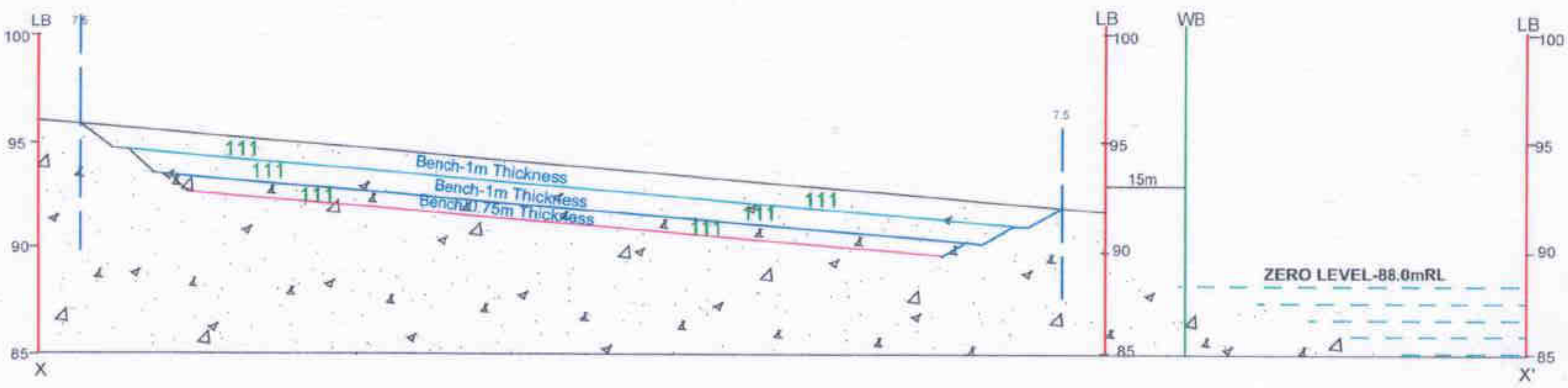
RQP/DDN/165/2005/A

GEOLOGICAL SECTION	
SRI DEVESH MISHRA(J.S ENTERPRISESS)	
GATANO- PARTOF 100 (KHAND NO-03)(AREA-16.0 HA.) SAND/ MORRUM MINE VILL.KHAPATIA KALA-,TEH- PAILANI .& DISTT.-BANDA (U.P)	
SCALE:- 1:1000 VERTICAL SCALE:- 1:250	PLATE NO- 6

0 10 20 30 40 50 60 70 80 90 100 [m]


N
25 40'32.64"N
80 21'40.40"E
B
HIGHEST RL
97.0mRL
96mRL
95mRL
94mRL
93mRL
92mRL
25 40'27.83"N
80 21'39.12"E
C
96mRL
95mRL
A
25 40'36.12"N
80 22'06.06"E
94mRL
93mRL
92mRL
D
25 40'28.47"N
80 22'09.08"E
15m
15m
15m
ZERO LEVEL-88.5mRL
ZERO LEVEL-88.5mRL
ZERO LEVEL-88.5mRL
KEN RIVER
KEN RIVER
KEN RIVER
KEN RIVER
INDEX
1 LEASE BOUNDARY
2 7.5 M. STRIP
3 CONTOUR
4 APPROACH ROAD
5 SECTION ARROW
6 DRAINAGE
7 HIGHEST RL
8 LOWEST RL
9 BENCHES
10 RIVER EDGE
GEOLOGY
SAND/MORRUM
SURFACE & GEOLOGICAL PLAN
SRI DEVESH MISHRA(J.S ENTERPRISESS)
GATANO- PARTOF 100 (KHAND NO-03)(AREA-16.0 HA.)
SAND/ MORRUM MINE
VILL.KHAPATIA KALA-,TEH- PAILANI .& DISTT.-BANDA (U.P)
SCALE:- 1:2000
PLATE NO- 7

U.P.S. CHAUHAN



PIT SECTION X-X'

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	LEASE BOUNDARY
	7.5 M. STRIP
111	PROVED MINERAL RESERVE
122	PROBABLE MINERAL RESERVE
333	POSSIBLE MINERAL RESERVE
	WATER BOUNDARY

GEOLOGY

RIVER MORRUM

PIT SECTION	
SRI DEVESH MISHRA(J.S ENTERPRISESS)	
GATANO- PARTOF 100 (KHAND NO-03)(AREA-16.0 HA.) SAND/ MORRUM MINE VILL.KHAPATIA KALA-,TEH- PAILANI .& DISTT.-BANDA (U.P)	
SCALE:- 1:1000 VERTICAL SCALE:- 1:250	PLATE NO- 7

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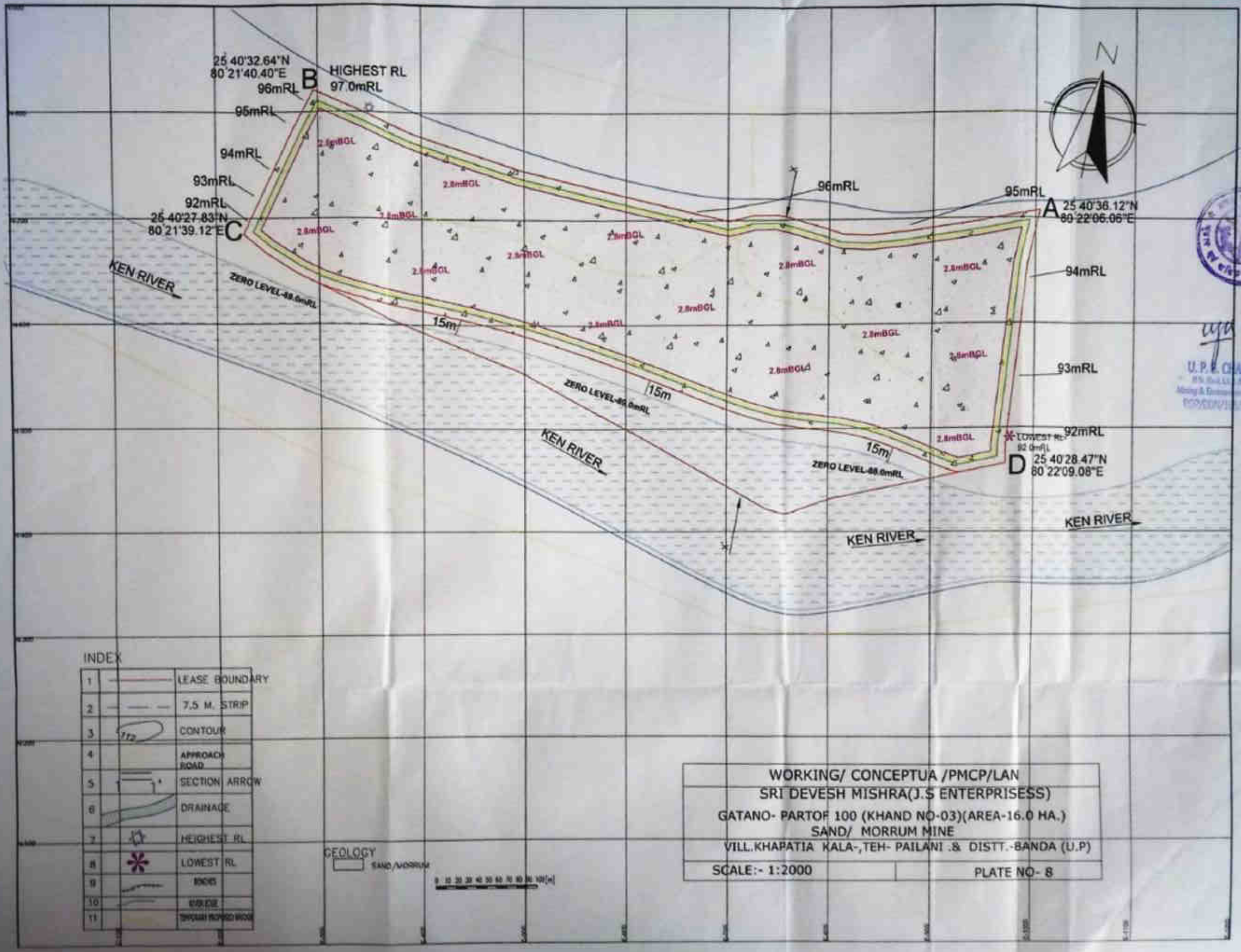

WORKING/ CONCEPTUA /PMCP/LAN

SRI DEVESH MISHRA(J.S ENTERPRISESS)

GATANO- PARTOF 100 (KHAND NO-03)(AREA-16.0 HA.)

SAND/ MORRUM MINE

VILL.KHAPATIA KALA-,TEH- PAILANI .& DISTT.-BANDA (U.P)

SCALE:- 1:2000

PLATE NO- 8

सेवा में,

श्रीमान खनिज विभाग

बांदा

महोदय,

निवेदन है कि आपके कार्यालय के पत्रांक सं0 2402/खनिज–30 बांदा दिनांक 13.09.2018 के अनुपालन प्रार्थी आवेशिक राशि की धनराशि 100000/– रूपये चालान संख्या 3495 दिनांक 20.10.2018 जमा की गई जिसकी प्रति प्रार्थना पत्र के साथ संलग्न है।

दिनांक 20/10/18

भवदीय

K. C. Sharma

जे0एस0 इण्टरप्राइजेज

निवासी द्वितीय तल 12 सिराजुदौला

सरैनी 12 वाटर लू स्ट्रीट कोलकाता

पं0 बंगाल

प्रा0

20/10/18

प्रा0 कि0

कोषागार प्रपत्र-209 (1)

वित्तीय नियम संग्रह खण्ड-5 भाग-2

प्रपत्र संख्या-43ए (1)

(प्रस्तर 417 एवं 478 देखिए)

धनराशि जमा करने का चालान फार्म

उपकोषागार / बैंक का नाम व शाखा : S.B.I. बांदा

1. किस व्यक्ति (पदनाम यदि आवश्यक हो) या संस्था के नाम से धनराशि जमा की जा रही है उसका नाम : श्री के०के० मिश्रा

2. पता : ओ० एम० [illegible]
: [illegible]
: [illegible]

3. पंजीकरण संख्या / पक्ष का नाम व वाद संख्या (यदि आवश्यक हो) : [illegible]
[illegible]

4. जमा की जा रही धनराशि का पूर्ण विवरण (धनराशि किस हेतु जमा की जा रही है तथा किस विभाग के पक्ष में की जा रही है) : [illegible]
: [illegible]
: [illegible]

5. चालान की सकल राशि :

6. चालान की निवल राशि : 100,000=00

7. लेखाशीर्षक का पूर्ण विवरण/लेखाशीर्षक की मुख्य 0853- अलौह धातु खनन और धातु कर्म उद्योग

8. लेखाशीर्षक का 13 डिजिट कोड 102-खनिजों के रियायती फीस सम्बन्धी किराये और रायल्टी

मुख्य लेखा-शीर्षक	उप मुख्य लेखा-शीर्षक	लघु-शीर्षक	उप-शीर्षक	ब्यौरेवार शीर्षक	धनराशि (अंकों में)
0 8 5 3	0 0	1 0 2	0 1	0 0	1,00,000=00

धनराशि (शब्दों में) (रु० एक लाख मात्र) योग- 1,00,000=00

चालान में लेखाशीर्षक की पुष्टि करने वाले विभागीय अधिकारी के हस्ताक्षर मुहर सहित

जमाकर्ता का नाम व मुहर

(K. K. Mishra)

केवल उपकोषागार / बैंक के प्रयोगार्थ

चालान संख्या..........

दिनांक..........

अंकों में रु०

शब्दों में रु०

3495

20 OCT 2013

प्राप्त किया

प्राप्तकर्ता के हस्ताक्षर उपकोषागार/ बैंक की मुहर सहित

JK70106

ANNEXURE-I

CONSENT LETTER

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RQP/DDN/165/2005/A

Annexure-I

CONSENT LETTER FROM APPLICANT

An area of about 16.00Ha [39.52Acre] has been granted for the extraction of Sand /Morrum in village- Khapatiha Kala ,Teh- Pailani, District-Banda, Uttar Pradesh. minor mineral concession rule 1963. The mine plan in respect of above area has been prepared by Sri U.P.S. Chauhan, R.Q.P., Registration No. RQP/DDN/165/2005/A.

I request to make further correspondence regarding the modification in mining plan with the said recognized perperson his following address:

Sri U.P.S. Chauhan,
RQP/DDN/165/2005/A
Validity: 15/3/2025
4/366, VIKASH NAGAR,
Lucknow-226022
PHONE 9415195706
E-mail : upschauhan@gmail.com

I hereby undertake that all the modifications so made in mine plan by the recognized person may be deemed to have been made with my knowledge and consent and shall be acceptable to me and binding on me in all respect. I have understood the content of this mine plan and agree to implement the same.

Date :
Place:

देवेश मिश्रा
[Sri Devesh Mishra]

(J.S.Enterprisess)

U. P. S. CHAUHAN
M.Sc. [Geol], L.L.B., R.Q.P., F.A.E.
Mining & Environment Consultant
RQP/DDN/165/2005/A

ANNEXURE-II

COPY OF LETTER OF INTENT

कार्यालय जिलाधिकारी, बाँदा।
(खनिज अनुभाग)

पत्रांक : 1036 / खनिज–30, बाँदा

दिनांक : मई 28).2018

सहमति–पत्र (लेटर ऑफ इन्टेंट)

श्री देवेश मिश्रा,
जे0एस0 इण्टर प्राईजेज,
निवासी–द्वितीय तल 12 सिराजुदौला,
सरैनी 12 वाटर लू स्ट्रीट कोलकाता, प0 बंगाल।

भूतत्व एवं खनिकर्म विभाग उ0प्र0 शासन लखनऊ के शासनादेश संख्या–1875/86–2017–57(सा0)/2017 टी0सी0–1 लखनऊ दिनांक 14.08.2017 में दिये गये निर्देशानुसार ई–निविदा सह ई–नीलामी प्रणाली के माध्यम से उ0प्र0 उपखनिज (परिहार) नियमावली–1963 के अध्याय–4 के अन्तर्गत खनन पट्टा पर स्वीकृत किये जाने हेतु विज्ञप्ति सं0–53/खनिज–30, बांदा दिनांक 25.03.2018 जारी की गयी थी। उपरोक्त विज्ञप्ति के क्रम में आप द्वारा जनपद बांदा की केन नदी क्षेत्र अन्तर्गत तहसील पैलानी स्थित ग्राम–खपटिहा कलां के गाटा संख्या–100 का भाग, खण्ड संख्या–03, रकबा 16.00 है0 में कुल 3,20,000.00 घनमीटर प्रतिवर्ष उपलब्ध बालू/मोरम हेतु मु0 251.00 रू0 प्रति घनमीटर की दर से ई–निविदा सह ई–नीलामी में बोली दी गयी है, जो कि सर्वाधिक है। जिलाधिकारी महोदय के आदेश दिनांक 27.05.2018 द्वारा उक्त खनन पट्टा स्वीकृत किये जाने की अनुमति प्रदान कर दी गयी है। शासनादेश दिनांक 14.08.2017 में बिन्दु सं0–19 के उपबिन्दु (2) में "लेटर आफ इन्टेंट प्राप्त होने के उपरान्त सफल बोलीदाता/निविदादाता द्वारा 25 प्रतिशत प्रतिभूति जमा एवं 25 प्रतिशत प्रथम किस्त अर्थात पट्टे के प्रथम वर्ष के लिए निर्धारित पट्टा धनराशि का 50 प्रतिशत के समतुल्य धनराशि एम0एस0टी0सी0 के ई पेमेन्ट गेट वे पर आर0टी0जी0एस0/एन0ई0एफ0टी0 द्वारा लेटर आफ इन्टेंट जारी होने के दो कार्य दिवसों के अन्दर जमा किया जाना होगा। उक्त धनराशि जमा करने से पूर्व सफल निविदादाता/ बोलीदाता द्वारा जमा प्री बिड अर्नेस्ट मनी की धनराशि समायोजित कर ली जायेगी। यदि सफल बोलीदाता/निविदादाता उक्त धनराशि जमा करने में असफल होता है तो उसके द्वारा जमा अर्नेस्ट मनी जब्त कर ली जायेगी और उसके द्वारा इस सम्बन्ध में कोई शिकायत अथवा प्रत्यावेदन विचार योग्य नही होगा।"

शासनादेश दिनांक 14.08.2017 में दी गयी शर्तें :–

(1) प्रथम वर्ष के लिये देय नीलामी धनराशि की गणना पट्टा क्षेत्र के लिए विज्ञप्ति में आंकलित मात्रा घन मी0 को निविदा/नीलामी की दर रूपया घन प्रति मी0 से गुणा कर निकाली जायेगी। खनन पट्टा के अनुवर्ती वर्षो में प्रत्येक वर्ष पिछले वर्ष की नीलामी की देय धनराशि पर 10 प्रतिशत की वृद्धि की जायेगी।

(2) सफल बोलीदाता/निविदादाता, पट्टे की निर्बन्धनों और शर्तों का यथोचित पालन करने के लिए प्रतिभूति के रूप में प्रथम वर्ष के लिए बोली/निविदा की सकल धनराशि का 25 प्रतिशत और स्वामित्व की पहली किश्त के रूप में प्रथम वर्ष के लिए बोली/निविदा की सकल धनराशि का 25 प्रतिशत दो कार्यदिवसों के अन्दर जमा करेगा। बयाने की धनराशि (अर्नेस्ट मनी) प्रथम किश्त में समायोजित कर ली जायेगी।

(3) पट्टे के प्रथम वर्ष की शेष किश्ते एवं अनुवर्ती वर्षो में बोली/निविदा के आधार पर प्रथम वर्ष के लिए निर्धारित सकल धनराशि पर प्रत्येक वर्ष विगत वर्ष से 10 प्रतिशत वृद्धि के साथ नियमावली–1963 के चतुर्थ अनुसूची के अनुसार जमा की जायेगी।

–2–

U. P. S. CHAUHAN
M.Sc. (Geol), LL.B, RQP, F.A.E.
Mining & Environment Consultant
RQP/DDN/165/2005/A

(4) पट्टाधारक नियम–17 के प्रावधानों के अनुसार क्षेत्र का सीमांकन करायेगा तथा नियम–35 के अनुसार सीमा–स्तम्भ लगायेगा एवं इसका अनुरक्षण करेगा।

(5) चयनित आवेदक नियम–34 के प्राविधानों के अन्तर्गत निर्धारित अवधि के अन्दर खनन योजना, माइन्स क्लोजर प्लान एवं भारत सरकार के वन एवं पर्यावरण मंत्रालय की अधिसूचना दिनांक–14.09.2006 सपठित अधिसूचना दिनांक 15.01.2016 तथा समय–समय पर यथा संशोधित उपबन्धों के अधीन पर्यावरण अनापत्ति प्राप्त कर उसे प्रस्तुत करेगा।

(6) प्रत्येक पट्टाधारक द्वारा नियम–34 के अनुसार क्षेत्र के भूमि–उद्धार और पुर्नवासन उपाय हेतु वित्तीय आश्वासन की धनराशि निर्धारित रीति से जमा करेगा।

(7) लेटर आफ इन्टेंट जारी होने के एक माह के अन्दर अनुमोदन हेतु खनन योजना निदेशक, भूतत्व एवं खनिकर्म के समक्ष प्रस्तुत किया जायेगा तथा अनुमोदित खनन योजना प्राप्त होने के 15 दिन के अन्दर सक्षम प्राधिकरण के समक्ष पर्यावरण स्वच्छता प्रमाण–पत्र हेतु प्रस्ताव प्रस्तुत किया जाना अनिवार्य होगा।

अतः ई–निविदा सह ई–नीलामी खोले जाने हेतु गठित समिति की संस्तुति दिनांक–17.05.2018 के आधार पर आपके पक्ष में उपरोक्त क्षेत्र की सह ई–नीलामी चयनित करते हुए निर्देशित किया जाता है कि भारत सरकार के वन, पर्यावरण एवं जलवायु मंत्रालय भारत सरकार की अधिसूचना दिनांक 14 सितम्बर 2006 के साथ अनुवर्ती अधिसूचना दिनांक 15 जनवरी 2016 में उल्लिखित प्राविधानों के अन्तर्गत खनन की अनुमति दिये जाने हेतु सक्षम स्तर से पर्यावरण स्वच्छता प्रमाण–पत्र तथा निदेशक, भूतत्व एवं खनिकर्म उ0प्र0 लखनऊ से अनुमोदित खनन योजना प्राप्त कर प्रस्तुत करें। बयाने की धनराशि (अर्नेस्ट मनी) के रूप में दी गयी धनराशि मु0 1,20,00,000.00 रू0 (एक करोड़ बीस लाख रूपये) का भुगतान किया गया है। शासनादेश दिनांक 14.08.2017 के बिन्दु सं0–19(2) में दिये गये निर्देश के क्रम में बोली में दी गयी धनराशि का 50 प्रतिशत 02 कार्य दिवसो में जमा करें, यदि नियत अवधि में उक्त धनराशि जमा नही की जाती है तो आपके द्वारा जमा की गयी बयाने की धनराशि रू0 1,20,00,000.00 जब्त कर दी जायेगी, जिसका पूर्ण उत्तर दायित्व आपका होगा।

अपर जिलाधिकारी (वि0/रा0)/
कृते जिलाधिकारी, बाँदा।

पत्रांक : /खनिज–30, बांदा तद्‌दिनांक।

प्रतिलिपि : निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

1. अपर मुख्य सचिव, भूतत्व एवं खनिकर्म विभाग, उ0प्र0 शासन लखनऊ।
2. निदेशक, भूतत्व एवं खनिकर्म निदेशालय, उ0प्र0 लखनऊ।
3. शाखा प्रबन्धक, एम0एस0टी0सी0 लिमिटेड, कोर्ट बिल्डिंग–II फ्लोर, लखनऊ।

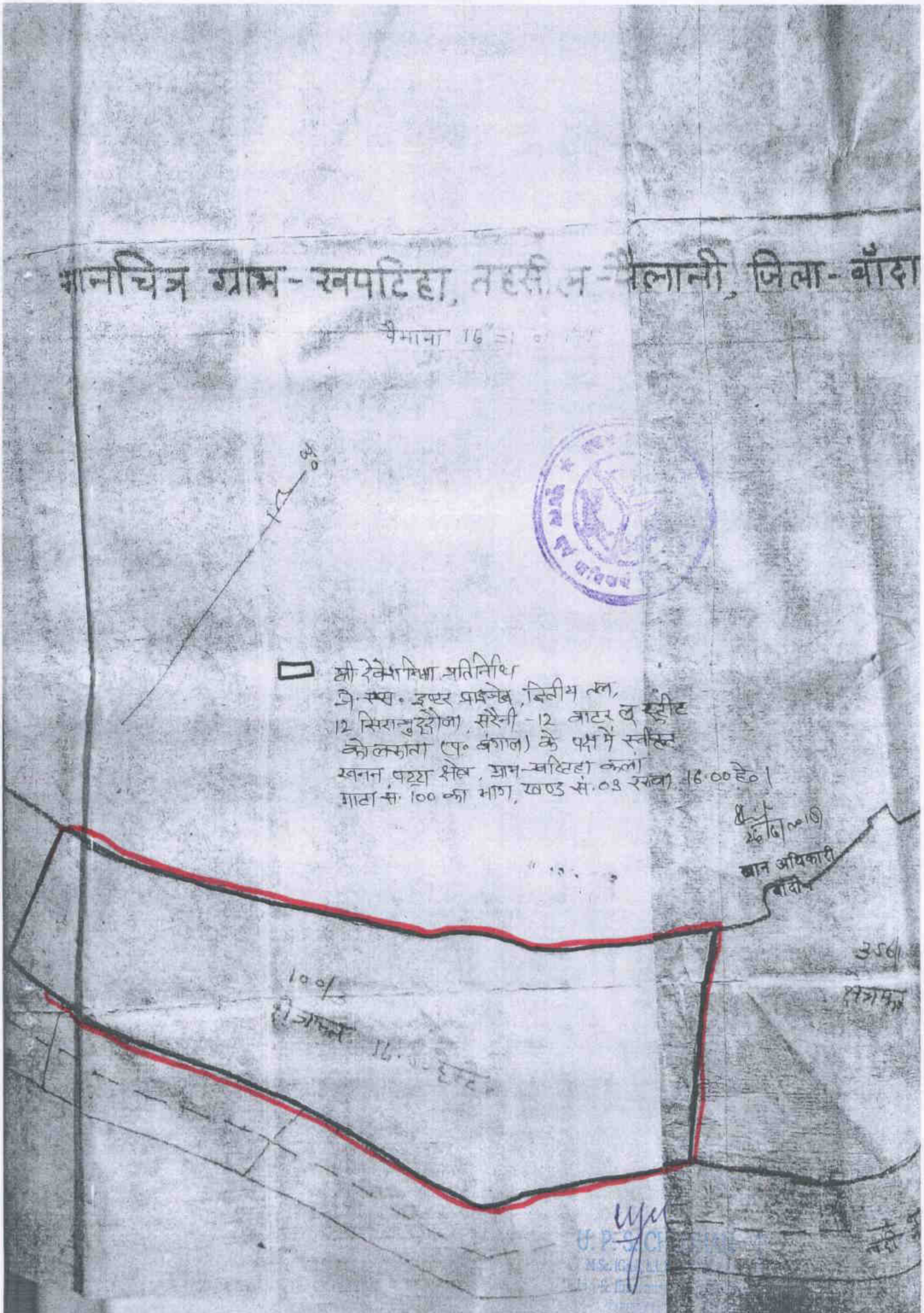
अपर जिलाधिकारी (वि0/रा0)/
कृते जिलाधिकारी, बाँदा।

U. P. S. CHAUHAN
M.Sc. (Geol), LL.B, R.Q.P.F.A.E.
Mining & Environment Consultant
RQP/DDN/165/2005/A

ANNEXURE-III

COPY OF CADASTRAL MAP

U. P. S. CHAUHAN
M.Sc. (Geol), L.L.B., R.Q.P.F.A.E.
Mining & Environment Consultant
RQP/DDN/165/2005/A


मानचित्र ग्राम- खपटिहा, तहसील-पैलानी, जिला- बाँदा
पैमाना 16" =
श्री देवेश मिश्रा प्रतिनिधि
मे. एस. इण्टर प्राइम्स, द्वितीय तल,
12 सिराजुद्दौला, सरैनी -12 वाटर लू स्ट्रीट
कोलकाता (प. बंगाल) के पक्ष में स्वीकृत
खनन पट्टा क्षेत्र, ग्राम-खपटिहा कला
गाटा सं. 100 का भाग, खण्ड सं. 03 रकबा 16.00 हे.।
26/6/2019
खान अधिकारी
बाँदा
100/
3501
नदी

ANNEXURE-IV

COPY OF RQP CERTIFICATE

U. P. S. CHAUHAN
M.Sc. (Geol), L.L.B., R.Q.P., F.A.E.
Mining & Environment Consultant
RQP/DDN/165/2005/A

DUPLICATE

भारत सरकार
खान मंत्रालय
भारतीय खान ब्यूरो
क्षेत्रीय खान नियंत्रक का कार्यालय

UPSChauhan

खनन योजना तैयार करने के लिए अर्हता प्राप्त व्यक्ति के रूप में मान्यता प्रमाण पत्र

CERTIFICATE OF RECOGNITION AS QUALIFIED PERSON TO PREPARE MINING PLANS

(खनिज रियायत नियमावली, 1960 के नियम 22 (सी) के अंतर्गत)
(Under Rule 22(C) of Mineral Concession Rules, 1960)

माननीय श्री / मै0...जिनका
M/s/Shri......Umesh Pratap Singh Chauhan, ...

पंजीकृत कार्यालय..

having registered office at R/o 4/366, Vikash Nagar Lucknow-226022..........................

तथा जिन्होंने अपने प्रमुख व्यक्तियों की योग्यताओं एवं अनुभवों का संतोषजनक
and having given satisfactory evidence of the qualification and experience of
प्रमाण दिया है उन्हें एतदद्वारा खनिज रियायत नियमावली, 1960 के नियम 22 (सी) के अन्तर्गत
their key persons is hereby granted recognition under rule 22 (C) of the Mineral
खनन योजनाओं को तैयार करने के लिए अर्हता प्राप्त व्यक्ति के रूप में मान्यता प्रदान की जाती है।
Concession Rules, 1960 as a qualified person to prepare Mining Plans

पंजीकरण कमांक– है।
The registration No. is **RQP/DDN/165/2005/A**

यह मान्यता दस वर्ष की अवधि के लिए वैद्य है जो कि दिनांक ....को समाप्त होगी।
This Recognition is valid for a period of ten years ending 16.03.2015

This certificate is liable to be withdrawn /cancelled in the event of furnishing the wrong information /document in the Mining plan submitted by him.

स्थान /Place: देहरादून
दिनांक / Date: 17.03.2005

Renewed upto...15/03/2025...
दिनाँक 15/03/2025 तक नवीनीकृत

1/4/2015
क्षेत्रीय खान नियंत्रक
Regional Controller of Mines
भारतीय खान ब्यूरो
Indian Bureau of Mines

Sd/- 17.3.05
(R. K. Sinha)
क्षेत्रीय खान नियंत्रक
Regional Controller of Mines
भारतीय खान ब्यूरो
Indian Bureau of Mines
Dehradun Region

U. P. S. CHAUHAN
M.Sc. (Geol.), LL.B., R.Q.P., F.A.E.
Mining & Environment Consultant
RQP/DDN/165/2005/A