

जिला खनन कार्यालय, कटिहार

प्रेषित,

मेसर्स- स्टार ब्रिक्स, फिल्ड

प्रो०- शमा खुर्शीद

पति- नौसाद आलम

ग्राम+पो०+अंचल-दालकोला,

जिला-उत्तर दिनाजपुर।

कटिहार, दिनांक- 21/12/2024

विषय:- खनन योजना (Mining Plan) अनुमोदित किये जाने के संबंध में।

प्रसंग:- विभागीय पत्रांक-3466 दिनांक-22.08.2024 एवं विभागीय आदेश
ज्ञापक-4156 दिनांक-27.12.2016

महाशय,

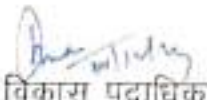
उपर्युक्त विषय के संबंध में कहना है कि कटिहार जिला के बलरामपुर थानान्तर्गत मौजा-जयपुरा, खाता सं०-3, 12, 15 खेसरा नं०-115, 133, 134, 136, 138 रकबा-3.51 एकड़ के भूमि में लघु खनिज साधारण मिट्टी के खनन हेतु आपके द्वारा खनन योजना अनुमोदित करने का आवेदन समर्पित किया गया।

उक्त आवेदन के आलोक में खान निरीक्षक कटिहार द्वारा स्थल का निरीक्षण कर निरीक्षण प्रतिवेदन समर्पित किया गया। प्राप्त प्रतिवेदन के आधार पर प्रासंगिक विभागीय निदेशों के आलोक में खनन योजना निम्नलिखित शर्तों के साथ अनुमोदित की जा रही है :-

1. खनन योजना को 24411 घन मी० साधारण मिट्टी की उत्खनन के लिए अनुमोदित किया जाता है।
2. साधारण मिट्टी खनन की गहराई सतह से 1.5 मी० से अधिक नहीं होगी।
3. खनन कार्य ग्राउन्ड वाटर लेवल से कम से कम 1.5 मी० उपर तक ही सीमित रखा जाएगा।
4. प्रस्तावित उत्खनन की गहराई के कम से कम आधे के बराबर चौड़ाई रखने वाले सटे मैदानों की सीमा से पटरी छोड़ दी जाएगी।
5. पथ निर्माण, तटबंध निर्माण आदि के प्रयोजनार्थ साधारण मिट्टी के खनन/उत्खनन से संबंधित क्रिया-कलाप में विस्फोटक का प्रयोग नहीं होगा।
6. खनन/उत्खनन संबंधी क्रिया-कलाप कार्य क्षेत्र के सामान्य जल निकासी के प्रतिरूप (पैटर्न) को परिवर्तित नहीं करेगा।
7. खोदे गए/उत्खनित गड्ढा (पिट) को परियोजना प्रस्तावक द्वारा उपयोगी प्रयोजन (प्रयोजनों) के लिए पुनः स्थापित किया जाएगा।
8. खोदे गए/उत्खनित गड्ढा के चारों ओर समुचित घेराबंदी कर दी जाएगी, ताकि किसी दुर्घटना से बचा जा सके।
9. ढुलाई के दौरान खोदी गई/उत्खनित मिट्टी के फैलने से धूल उत्सर्जन को रोकने के लिए उपाय किए जाएंगे।
10. मिट्टी के खनन/उत्खनन के कारण सृजित जल निकायों में रोगवाहकों (वेक्टर) के प्रजनन के कारण स्वास्थ्य खतरों के विरुद्ध सुरक्षा मानक अपनाये जाएंगे।
11. कामगारों/मजदूरों को पेयजल और सफाई संबंधी सुविधाएँ प्रदान की जाएँगी।

12. किसी उत्खनन क्षेत्र की परिधि से किसी असीनिक संरचना की दूरी कम से कम 15 मीटर रखी जाएगी।
13. राष्ट्रीय पार्को और वन्य प्राणी अभ्यारण्य की सीमा के 01 किलोमीटर के अन्दर उत्खनन के क्षेत्र के मामले में साधारण गिट्टी के खनन/उत्खनन की अनुमति नहीं दी जाएगी।
14. खनन योजना में खनन कार्य बेंच बनाकर किया जाएगा जिसकी अधिकतम ऊँचाई 1.5 मी० एवं चौड़ाई कम से कम 3.0 मी० होनी चाहिए।
15. खनन कार्य के दौरान निकाले गये Top Soil को व्यवस्थित रूप से एकत्रित कर रखा जाएगा, जिसे खनन कार्य समाप्त होने के उपरान्त उसी क्षेत्र में फैला दिया जाएगा।
16. खनन योजना में वर्णित भूमि के स्वामित्व तथा भूस्वामियों की सहमति से संबंधित अभिलेखों की पुष्टि करा लिया जाना अपेक्षित होगा।
17. खान एवं खनिज अधिनियम-1957 (समय-समय पर संशोधित) तथा खान अधिनियम-1952 के सुसंगत प्रावधानों का सम्यक अनुपालन सुनिश्चित किया जाएगा। नियमों का पालन नहीं किए जाने तथा भविष्य में किसी प्रकार की कोई भी गलती, खनन योजना अथवा कार्य में अनियमितता पाए जाने की स्थिति में उक्त खनन योजना स्वतः निरस्त मानी जाएगी।




खनिज विकास पदाधिकारी,
कटिहार।

जिला खनन कार्यालय, कटिहार

“जिनसे संबंधित हो”

पत्रांक—

/एम०,

दिनांक—

प्रमाणित किया जाता है कि शमा खुर्शीद, पति—नौसाद आलम, ग्रा०+पो०+अचल—दालकोला, जिला—उत्तर दिनाजपुर द्वारा कटिहार जिलान्तर्गत, बलरामपुर थानान्तर्गत, मौजा—जयपुरा, खाता सं०—3, 1, 15, खेसरा नं०—115, 133, 134, 136, 138, रकवा—1.42 हेक्टेयर क्षेत्र पर ईट मिट्टी उत्खनन हेतु पर्यावरणीय सहमति प्राप्त करने के लिए आवेदन पत्र दाखिल करना चाहते हैं।

ईट मिट्टी उत्खनन किए जाने वाले क्षेत्र के, मौजा— जयपुरा, खाता सं०—3, 1, 15, खेसरा नं०—115, 133, 134, 136, 138, रकवा—1.42 हेक्टेयर क्षेत्र के अतिरिक्त 500 मीटर के अंदर (Contiguous) में अन्य खनन पट्टा स्वीकृति हेतु आवेदन पत्र आवेदित नहीं है। प्रस्तावित क्षेत्र का कुल रकवा—1.42 हेक्टेयर है, जो 5.00 हेक्टेयर से कम है।

यह प्रमाण पत्र केवल पर्यावरणीय स्वीकृति के लिए मान्य है।

ह०/—

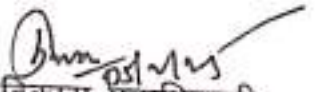
खनिज विकास पदाधिकारी,
जिला खनन कार्यालय, कटिहार

ज्ञापांक— 106 /एम०

दिनांक— 05/02/2025

प्रतिलिपि:—मे० स्टार ब्रिक्स फिल्ड, प्रो०—शमा खुर्शीद, पति—नौसाद आलम, ग्रा०+पो०+अचल—दालकोला, जिला—उत्तर दिनाजपुर को सूचनार्थ।




खनिज विकास पदाधिकारी,
जिला खनन कार्यालय, कटिहार

Quarry Plan, EMP & Quarry Closure Plan

(Submitted under Rule 24(3) & (7) of Bihar Minor Mineral Concession (Amendment) Rule 2014)
OF

Jaipura Brick Earthclay Quarry Mine

Mouza - Jaipura, Anchal — Balrampur,
District - Katihar, State — Bihar

P.H.No. , Khasra No. 115, 133, 134, 136, 138

Lease Area — 1.42 Hect. Or 3.510 Acre (Non-Forest — 1.42 Hect.)

Lease Period - 5 Years (From)

Plan Period - 5 Years (From)



APPLICANT

M/s Star Bricks Field

Mouza - Dalkhola,

Tehsil - Karan Dighi,

District- Uttar Dinajpur (Bihar)

Pin no. — 733201

STAR BRICKS FIELD
Sham Chandra
Proprietor

Ashish Sharma
Dr. Ashish Sharma
Ph.D. Geology

Approved RQP Dept. Of Mines & Geology

Govt of Bihar Approved RQP Sl No. 19

PREPARED BY

Dr. Ashish Sharma

Hasib Villa, Naya Tola Line Bazar, Purnea, Bihar

Cell: 7091510996, 9753385659, Email: alamshaique@gmail.com

Registration No. RQP

Ashish Sharma
APPROVED

CONSENT LETTER FROM THE LESSEE

The plan of quarry mining in respect of Jaipura Brick Earthclay Quarry Mine & Fixed Chimney Brick Plant at Mouza- Jaipura, Katihar, (Bihar) for an area of 1.42 Hect. (Submitted under Rule24(3) & (7) of Bihar Minor Mineral Concession (Amendment) Rule 2014) .

I request the D.G.M. Bihar to make further correspondence regarding modifications in the scheme of mining with the said recognized person on his following address:-

Dr. Ashish Sharma

Hasib Villa, Naya Tola Line Bazar

Purnea, Bihar

Cell: 7091510996, 9753385659, Email: alamshaique@gmail.com

I hereby undertake that all the modification so made in the scheme of mining 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 contents further. I hereby authorize Dr. Ashish Sharma to collect the copies of approved Plan of mining along with approval letter from you or you may directly send the same on RQP above said address.

APPLICANT

✓ Shame Khurshid

M/s Star Bricks Field

Mouza - Dalkhola,

Tehsil - Karan Dighi,

District- Uttar Dinajpur (Bihar)

Pin no. - 733201

DATE -

PLACE: Dalkhola

STAR BRICKS FIELD
Shame Khurshid
Proprietor

Quarry Plan
Jaipura Brick Earthclay Quarry Mine , Area: 1.42 Hect.
of M/s Star Bricks Field, Unar Dinajpur, Bihar

INDEX

CHAPTER	PARTICULARS	PAGE NO.
1	INTRODUCTION / GENERAL	1 - 1
2	LOCATION	2 - 3
3	GEOLOGY & EXPLORATION	4 - 6
4	RESERVES	7 - 8
5	DEVELOPMENT & PRODUCTION PROGRAMME	9 - 17
6	MANPOWER DEPLOYMENT	18 - 18
7	USE OF MINERAL	19 - 19
8	WASTE DISPOAL ARRANGEMENTS	20 - 20
9	ENVIRONMENTAL MANAGEMENT PLAN	21 - 28
10	MEASURES TO BE TAKEN FOR RECLAMATION OF LAND	29 - 29
11	QUARRY CLOSURE PLAN	30 - 38

INDEX OF ATTACHED DOCUMENTS

1	Letter For Submission of Mine Plan
2	Noc of Land Owner
3	Patwari Naksha and Khasra, B1, PII
4	Copy of lease Order
5	Copy of Lease Deed

STAR Bricks Ltd
Shamul Kumar Singh
Proprietor

Signature of lessee

Dr. Ashish Sharma

Ashish Sharma
Phd. Geology
Approved RQP Dept. Of Mines & Geology
Govt of Bihar No. 19

Signature of RQP

Quarry Plan
Jaipura Brick Earthclay Quarry Mine , Area: 1.42 Hect.
of M/s Star Bricks Field, Uttar Dinajpur, Bihar

LIST OF PLATES

S. No.	PLATE DETAILS	PLATE NO.	SCALE
1	Cadastral Map	I	1:4000
2	Key / Location Map	II	1:50000
3	Google Map of the Area	III	-
4	Surface Geological Plan / Geological Section	IV	1:1000
5	Yearly Working Plan	V	1:1000
6	PMCP	VI	1:1000
7	Conceptual Mine Plan	VII	1:1000
8	Pollution Mitigation Measures Plan	VIII	1:1000
9	Cross Section Plan	IX	1:1000

STAR BRICKS FIELD
Sharmakharshid
Proprietor

Signature of lessee

Dr. Ashish Sharma

Ashish Sharma
Dr. Ashish Sharma
Phd. Geology
Approved RQP Dept. Of Mines & Geology
Gondal Bihar
No. 19
Signature of RQP

बिहार राज्यातर्गत लघु खनिजों के खनन योजना तैयार करने हेतु एंजेंसी Empanelment के लिए आमंत्रित Expression of Interest के तहत प्राप्त निविदा के क्रम में दिनांक-22.08.2019 को अपराह्न 03:00 बजे विभागीय समिति के बैठक की कार्यवाही :-

बिहार राज्यान्तर्गत लघु खनिजों के खनन योजना तैयार करने हेतु एंजेंसी Empanelment के लिए आमंत्रित Expression of Interest के दस्तावेजों/कागजातों के आधार पर PMU द्वारा तैयार विवरणी की जाँच खान एवं भूतत्व विभाग, पटना के अपर सचिव-सह-निदेशक-सह-अध्यक्ष के कार्यालय कक्ष में अन्य सदस्यों के समक्ष की गई।

2. आमंत्रित Expression of Interest के तहत कुल 36 आवेदन विभाग को प्राप्त हुए, जिसमें से कंडिका-14 में उल्लेखित प्रतिष्ठान भूमि इन्वायरस्टेक प्रा० लि० को योग्यता संबंधी प्रमाण पत्र नहीं संलग्न करने के कारण तथा कंडिका-34 में उल्लेखित मेसर्स संयुक्त इन्फ्रा को संबंधित योग्यता प्रमाण पत्र संलग्न नहीं होने के कारण अयोग्य घोषित करने का निर्णय लिया गया तथा शेष 34 को Empanelled करने का निर्णय लिया गया, विवरणी निम्नवत है :-

Sl. No.	Name	Contact Number	Qualifications	Rate for preparation of Mining Plan (per Ha)	Rate details	Address
1	Dr. Radha Nand Singh	9430252322 8340280122	M.Sc. Geology	Rs. 15,000/- (including of Tax & GST)		Dr. R.N Singh, 7HF- 6-20, Sector 7, Block 6, Flat 20, MIG Flat, Bahardurpur Housing Colony, Patna -800026
2	Shiva Test House	7903157774	M.Sc. Geology	Rate Slab attached	Rs. 10,000/- each Ha. Rs. 8,000/- for each subsequent additional Ha. (above rates are inclusive of 18% GST)	122 C, Aartha, Road No. 5 A, Patliputra Colony, Patna - 800013
3	Dr. Amarjeet Kumar Singh	9431508228	Ph.D(Geology)	Rs. 20,000/- GST will be charged as per Government rules		S/O-Udho Singh,C/O-Sri Indrajit Kumar Singh,AI & Po Jiradei; District-Siwan, Bihar-841245
4	Rajesh Kumar	8008802447	B.E. (Mining Engineer)	Rate Slab attached	Minimum INR 25,000/- per mining plan upto 3 Hectare. For more than 3 Hectare the rate shall be increase @INR 10,000/- per Hectare.	Plot No.87,Rajwara Building,Sikhar More, Near Mehta Petrol Pump,Manpur,Gaya-823003
5	Dr. Abdul Rahman	7870527271	Ph.D in Geology	Rs. 8,000/- (inclusive of Taxes)		B-78,P.C. Colony,kankarbagh,Patna-800020
6	Punit Lata Mahto	9911537948 8709005622	M.Sc. (Geology)	Rs. 11,800/-	Rate per Hectare @10,000/- + GST @18% (Rs. 1800) =Rs. 11,800/-	House No.- 121, raghav Bhawan, kobbari, Sikandarpur, Bhagalpur - 812005
7	Sanjay Kumar	943106885	M.Sc. (Geology)	Rs. 25,000/-	Negotiable	Vastu-Sarita Colony, Janakpuri, Near -St. Karen's School, Gola Road, Danapur, Patna
8	Er. Navin Kumar Sinha	7366873516	B.E. (Mining)	Rs. 10,000/-		Er. Navin Kumar sinha, A-112, Sanjay gandhi Nagar, Kall Mandir, Road No.-9, Patna, Bihar

9	Dr. Ashish Sharma	9753385659	Ph.D(Geology)	As per approved rate of Govt. of Bihar		Hasib Villa Naya Tola Line Bazar, Purnea, Bihar-854301									
10	Md. Siddique Alam	7091510995	M.Tech (Environmental Science & Engineering)	As per approved rate of Govt. of Bihar		Flat No--01 Ground Floor, hasib villa, Naya Tola Near Shiv Mandir, Line Bazar Purnea-854301									
11	Dr. Rakesh Kumar Singh	8085379660	Ph. D. (Coal Geology) M. Sc (Geology)	As per approved rate of Govt. of Bihar		Village- Chuppepur, P.O. - Belawa (Pindra), District- varanasi, (U.P), 221206									
12	Shailesh Kumar Singh	9431496906	M.Sc.(Applied Geology) M.Sc. Tech (Remote Sensing)	Rs. 25,000/-		B-8, Prachi-Kanishka Apartment, bazar Samitee Road, PO- Rajendra Nagar, District- Patna, Bihar-15									
13	Anecon Lab Pvt. Ltd.	9372404924	B.E. Computer Science & Engineering	Rs. 31,860/-	Rate per Hectare @27,000/- + GST @18% (Rs. 4860) =Rs. 31,860/-	60,Bajprabhu Nagar,Nagpur-440033									
14	Bhoomi Envirotech Pvt. Ltd.	9595773278	Required qualification not attached	Rate provided as per slab	a. For 0 to 2 Ha - Rs. 38,000/- b. For above 2.0 Ha to 5.0 Ha - Rs. 38,000/- c. Above 5.0 Ha - Rs. 28,000/- *All rates are per Hectare or part thereof. (Example - rate of 1.50 Ha shall be considered as 2.0 Ha	C/O Veena Gupta W/F Upendra Gupta, Shop No. 191, Plot No. 529, Golabazar, Nawadhi Road, Near Kail Club, Aurangabad Bihar- 824101									
15	Sens Geomine Consultancy Pvt. Ltd.	8235816865	M. Sc (Geology)	Rs. 15,000/- (exclusive of all GST & Taxes)		Kali Mandir Road , Opposite Puja Tent Service, Po+PS- Doranda, Ranchi-834202, Jharkhand									
16	Mohan S. Bhagwat	9868840983	M.Sc.Tech(Applied Geology)	Rs. 10,620/-	Rate per Hectare @9,000/- + GST @18% (Rs. 1620) =Rs. 10,620/-	Mahavir Sadan, Opposite Itara Valley, Baudh Vihar Colony, Naya Tola, Kumhar-800026									
17	Eclipto India Pvt. Ltd.	7678639396	Required Qualification of the employees attached	Rate as per the slab provided	<table><tr><td></td><td>Per Ha. Rate (upto 5 Ha)</td><td>Per Ha. Rate (more than 10 Ha)</td></tr><tr><td>Rate upto 5 Ha</td><td>Rs. 10,000/-</td><td>Rs. 10,000/-</td></tr><tr><td>Rate more than 5 Ha</td><td>NA</td><td>Rs. 5,000/-</td></tr></table> * Rate is inclusive of GST and other applicable Taxes		Per Ha. Rate (upto 5 Ha)	Per Ha. Rate (more than 10 Ha)	Rate upto 5 Ha	Rs. 10,000/-	Rs. 10,000/-	Rate more than 5 Ha	NA	Rs. 5,000/-	C/O Kapilmuni Pathak, Shrivapuram Road -2 ,Bikanerpura ,Bailey Road, Patna - 800014
	Per Ha. Rate (upto 5 Ha)	Per Ha. Rate (more than 10 Ha)													
Rate upto 5 Ha	Rs. 10,000/-	Rs. 10,000/-													
Rate more than 5 Ha	NA	Rs. 5,000/-													
18	Ravi Shankar	7485090640	B.E. (Mining)	Rate as per the slab provided	(a) Rs. 50,000/- per mining plan upto 5 Ha (b) For above 5 Ha area rate will be charged 6000/- per Ha additionally extra and above to 5 Ha upto 25 Ha (c) Rs. 2,00,000/- per mining plan for area of 25 Ha and will be charged additionally Rs. 3000/- per Ha extra and above to 25 Ha upto 50 Ha. (d) Rs. 3,00,000/- per mining plan for area of 50 Ha and will be charged additionally Rs. 2000/- per Ha extra and above to 50 Ha upto 50 Ha.	Village- Nagain, P.O.- Deohra, P.S.- Goh, Dist.- Aurangabad (Bihar) - 824114									
19	Indus Mining & Environmental Consultancy	7542949027	B.E.(Mining)	Rs. 2,000/- per Hectare (Each Block Mining Plan- Rs. 30,000/-)		Indus Mining And Environmental Consultancy, 201, 2nd Floor, Mangal Market, Raja Bazar, Bally Road, Patna-14									

20	Pravin Kumar Sinha	7542949027	B.E (Mining)	Rs. 2,000/- per Hectare (Each Block Mining Plan - Rs. 30,000/-)		201, 2nd Floor, Mangal Market, Raja Bazaar, Bailey Road, Patna-14
21	Md. Tauseef Warsi Greenera Mining & Envirotech Pvt. Ltd.	9534027112	M.Sc. (Geology)	Rs. 5,000/- (Excluding GST)		Greenera Mining & Envirotech Pvt. Ltd., 205 Mangal Market, Raja Bazar, Bailey Road Patna-800014
22	Prabhat Kumar Srivastava	8827477206	B.E (Mining)	Rs. 8,000/-		Flat No-101, Road No.-01, Boodh Nagar, Chirya Tard, Postal Park, Patna-800001
23	Ashok Kumar Singh	8756359604	Mining Engineer	Rs. 8,000/-		C/o Shri Ram Prasad Singh, Mohalla - Mogal Kuan, P.O. - Sohsara, P.S. - Sohsara, Dist. - Nalanda, Bihar- 803118
24	Sandeep Kumar	8126253120	M.Sc. (Applied Geology)	Rs. 10,000/-		Anjuna Bhawan, C/O Ravi Kishan, Sundar Nagar, Lohia Path, Jagdeo Path, Patna - 800014 (Bihar)
25	United Exploration India Pvt. Ltd.	9431208782 9934304369	Required Qualification of the employees attached	Rs. 5,200/- (inclusive all Taxes)		301, 2nd Floor, Sahid Rajendra Singh Complex, Anishabad, Patna-800002
26	Rian Enviro Pvt. Ltd.	9431289638	Required Qualification of the employees attached	Rs. 5,000/- (inclusive all Taxes)		202, 2nd Floor, Mangal Market, Raja Bazar, Shalokhpura Patna -800014
27	Ascenso Enviro Pvt. Ltd.	9204207920	Required Qualification of the employees attached	Rs. 4,750/- (inclusive all Taxes)		401, 4th Floor, Mangal Market, Raja Bazar, Shalokhpura, Patna-800014
28	M/s Baghel Environment & Waste Management Pvt. Ltd.	9431042532	Qualifications of candidates are attached	As decided by the department of Mines & Geology, Govt. of Bihar		Baghel Environment & Waste Management Pvt. Ltd., 1st Floor, 27, Guru Sahay Lal Nagar, Road No. 2, Magistrate Colony, Ashiyana Nagar, Patna - 800025, Bihar
29	Gramin Lok Seva	9934452711	Qualifications of candidates are attached	Rs. 7,000/-	Note - 1. Minimum rate for a Sand Block - INR 25,000/- 2. Maximum rate for a Sand Block - INR 60,000/- OR As decided by the Department of Mines & Geology, Govt. of Bihar	27, Guru Sahay Lal Nagar, Magistrate Colony, Ashiyana Nagar, Patna- 800025, Bihar
30	Praneja Envirocare & Management Pvt. Ltd.	9708251824	Qualifications of candidates are attached	Rs. 10,000/- (Excluding GST @18%)	Remarks - Fee should not be less than 20,000 or more than 50,000 thousand for single block. (Excluding GST) OR As decided by the Department of Mines & Geology, Govt. of Bihar	303, Bhagwati kunj apartment, Road No. - 30, Anand vihar Colony, Itanpura, Patna (Bihar)- 800014
31	Institute of Environment and Eco Development	7004620817	Details Of Qualification Attached	Rs. 10,000/- (Excluding GST)	Rate will be negotiable as per direction from Department of Mines & Geology, Govt. of Bihar	Admin. Office-Ground floor, Shyam Nagar Colony, Maurya Path, Bailey Road, P.O.-S.V. College, Patna-800014
32	ENV Developmental Assistance Systems (India) Pvt. Ltd.	5224007470 9335913139	Details Of Qualification Attached	Rs. 2,750/- (inclusive all Taxes)		Prabha Niketan, road No.-13, Patel Nagar, Near Petrol Pump, Patna-800029

33	Indrine Pvt. Ltd.	9431040119	Bachelor of Engineering (Mining)	Rate for each District is enclosed	Enclosure A	H.No-21, First Floor, IAS Colony, S.K. Nagar, Patna-800001
34	M/S Sanyukt Infra	7296069568	Bachelor of Architecture	Rs. 3,500/-		South of Medhabin Housing complex, Malahi Pakdi, Kankarbagh-800020
35	Saathi Planners Pvt. Ltd.	9835877778	Details of qualification attached	Rs. 12,000/-		C/O Mr. Anil Kumar, plot No. L-171, Road No. 23 Near Malli Nikeran, Sri Krishna Nagar, Patna -800001
36	Overseas Min-Tech Consultants	9460221084	Details of qualification attached	Rs. 13,000/-		501, 5th Floor, Apex Tower, Tonk Road, Jaipur-302015, Tel-0141-2744509

3. प्राप्त सभी EOI की समीक्षा के उपरांत विभागीय समिति द्वारा सर्वसम्मति से खनन योजना हेतु देय राशि प्रति खनन योजना अधिकतम ₹30,000/- (तीस हजार) ₹0 GST सहित (चाहे माइनिंग प्लान कितने भी हेक्टेयर का हो) का भुगतान की अनुशंसा की गई।

4. समिति द्वारा उक्त न्यूनतम दर को स्वीकृत करते हुए उक्त न्यूनतम दर पर अभिरुचि की अभिव्यक्ति आमंत्रण में शामिल वैसे प्रतिष्ठान, जो वांछित योग्यता को पूरा करते हो तथा जिनका वर्तमान में पटना या बिहार राज्यान्तर्गत अन्य जिलों में कार्यालय संचालित है ऐसे प्रतिष्ठान को तत्काल प्रभाव से empanelled करने की अनुशंसा की जाती है।

शेष अन्य एजेंसी/व्यक्ति अगर भविष्य में बिहार राज्यान्तर्गत कार्यालय खोलने संबंधी साक्ष्य/दस्तावेज प्रस्तुत करते हैं तो उन्हें भी भविष्य में उक्त दर पर लघु खनिजों के खनन योजना तैयार करने हेतु RQP के रूप में empanelled करने की अनुशंसा की जाती है।

5. Empanelled एजेंसियों को अपने दस्तावेजों का सत्यापन विभागीय समिति से कराना आवश्यक होगा।

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पटना अंचल, पटना
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निदेशक,
अध्यक्ष

ह0/-
सरकार के अवर सचिव

ज्ञापांक:-...../एम0, दिनांक:-.....

प्रतिलिपि:- सभी समाहर्ता को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

ह0/-
सरकार के अवर सचिव

ज्ञापांक:-...../एम0, दिनांक:-.....

प्रतिलिपि:- सभी उप निदेशक/सभी सहायक निदेशक/सभी खनिज विकास पदाधिकारी/
सभी खान निरीक्षक को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

ह0/-
सरकार के अवर सचिव

P.T.O.

ज्ञापक: 3825 / एम्प0, दिनांक 07/11/19

प्रतिलिपि:— माननीय मंत्री के आप्त सचिव/प्रधान सचिव के प्रधान आप्त सचिव/निदेशक कोषांग/उप निदेशक (मु0)/सहायक निदेशक (मु0)/खनिज विकास पदाधिकारी (मु0) को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

[Signature]
21/4/19

[Signature]
सरकार के अवर सचिव

Quarry Plan
Jaipura Brick Earthclay Quarry Mine , Area: 1.42 Hect.
of M/s Star Bricks Field, Unar Dinajpur, Bihar

CHAPTER - 1
GENERAL

(a)	Name of Applicant	M/s Star Bricks Field
	Mouza	Dalkhola
	Anchal	Karan Dighi
	District	Uttar Dinajpur
	State	Bihar
	PIN code	854333
(b)	Status of the Applicant	Private Individual
(c)	Mineral(s) which are occurring in area and which the applicant intends to Mine	Brick Earthclay
(d)	Period for which quarry lease is to be granted	5 Years ()
(e)	Name and address of the Recognized Qualified Person(RQP) preparing the Quarry plan	Dr. Ashish Sharma Address- Hasib Villa, Naya Tola Line Bazar Purnea, Bihar Cell: 7091510996, 9753385659 Email: alamshaique@gmail.com
(f)	Registration No. of Recognized Qualified Person or authorization of the state	Registration No. RQP
(g)	Name of prospecting agency	-
(h)	Whether the area is prospected by the Directorate Geology and Mining, If yes then enclose a certified copy of prospecting report of DGM (P.L. Report may procedure as per rule).	-

STAR BRICKS FIELD
Shamkhusaid
PROPRIETOR

Dr. Ashish Sharma
PhD Geology
Approved RQP Name of Mines & Geology
Govt
Sl No 19

CHAPTER - 2**LOCATION****A. Detail of the Lease Area :**

State	Bihar				
District	Katihar				
Taluka	Balrampur				
Village	Jaipura				
Khasra No.	115, 133, 134, 136, 138				
Lease area (hectares)	1.420 Hect.				
Compartment number if the area is recorded to be in forest (please specify whether protected, reserve etc.)	Not Applicable				
Ownership/Occupancy	115, 133, 134, 136, 138		Private Land		
Existence of public Road/ railway line, if any, nearby and approximate distance	National Highway	NH 12 is 4.0 km at East			
	State Highway	Road at 9.0 km.			
	Public Road	1.00 m in East			
	Railway Line	8.0 Km in East			
Toposheet No with Latitude/ Longitude	Toposheet No.				
Boundry Point	Latitude	Longitude	Boundry Point	Latitude	Longitude
A	N25° 49' 32.324"	E87° 52' 21.462"			
B	N25° 49' 31.816"	E87° 52' 28.757"			
C	N25° 49' 29.496"	E87° 52' 28.283"			
D	N25° 49' 30.160"	E87° 52' 20.876"			
Land Use Pattern (Forest, agricultural, grazing, barren, etc.)	(i) Forest	Forest (specify)	Area (ha)- Nil		
	(ii) Non - forest	(i) Private Land	1.42 Hect. Area		
	Waste	(ii) Grazing land,	Nil		
	Land-	(iii) Agriculture	Nil		
		(iv) barren land	Nil		
		(v) others (specify)	Nil		

The Khasra - wise detail of the applied lease area is as under:

Khasra No./ Compartment No.	Area		Type of land
	(Ha)	(Acres)	
115, 133, 134, 136, 138	1.420	3.51	Private Land

STAR BRICKS FIELD
Shamsher Singh
PROJ

Shamsher Singh
1. Grade
Approved RQP Dept
Govt of Bihar Appl
19

- B. Attach a map showing boundaries of the quarry lease, adjoining area, roadways, railways, natural drainage system and other surface features, if any. It is preferred that the area be marked on a Survey of India topo sheet or a cadastral map or forest map as the case may be. However if none of these are available, the area should be marked on a plan prepared especially for the purpose on a scale of 1: 50000 linking it with any important reference point available in and around the area.

Cadastral map on scale of 1:4000 and Key plan with demarcated area in Survey of India toposheet on scale 1:50,000 and Google map is enclosed as Plate No. 1, Plate No. 2 and Plate No. - 3.

Distance from:

S. No.	Permanent Features	Distance from the Area
1.	National Highway No.	NH 12 is 4.0 km at East
2.	State Highway No.	Road at 9.0 km.
3.	PMGSY/ CMGSY	None
4.	Other path way	-
5.	Any water body	River at 5.0 Km
6.	Any residential educational area	Residential Area - Village at 1.0 km Educational Area - 2 Km
7.	Any kind of bridge	0
8.	Hospital/ Historical place	Hospital 4.0 Km. Historical - No

STAR BRICKS FIELD
Sharma Khursheed
Proprietor

Dr. Ashish Sharma
Approved RGP Dept. Culture & Technology
Govt of Bihar Approval no. 61/2015

CHAPTER-3
GEOLOGY AND EXPLORATION

- A. Briefly describe the general topography explaining whether it is a Plain land or hilly area**

Topography of the Area:-

The topography of the applied area is Flat. The Brick Earthclay is exposed throughout the applied area. The general slope is towards North. Altitude of the area within lease area at higher side at East part of lease area is 36m AMSL while the lower side at South part of lease area is 35m AMSL. The applied area is devoid of any vegetation.

Geology :

Regional Geological Set Up:-

Geologically, it represents the extreme northern front of Indian sub-continent. These include (i) the belt of Himalayan foothills in the northern fringe of Paschim Champaran (ii) the vast Ganga Plains, (iii) the Vindhyan (Kaimur) Plateau extending into Rohas region, (iv) the sporadic and small Gondwana basin outliers in Banka district, (v) the Satpura Range extending into large part of the area North of Chotanagpur Plateau, (vi)

the parts of Bihar Mica belt in Nawada, Jamui and Banka districts and (vii) the Granite Gneissic complex of Chotanagpur plateau. Nearly two third of Bihar is under cover of Ganga basin composed of alluvium and masks the nature of basement rocks.

Mahananda River is one of the prime tributaries of the Ganga River in the eastern part of India. The origin of this mighty Mahananda River is from the extreme north of West Bengal from the stunning hills of Darjeeling. Originating from this beautiful hill station the Mahananda River, then flows southwards through the fertile agricultural area of Bihar and enters West Bengal flowing past English Bazaar. From Darjeeling to Bihar and after entering through Uttar Dinajpur district in West Bengal, Mahananda River, then flows in the southeast direction in to Bangladesh, near Tentulia in Panchagarh District.

STAR BRICKS FIELD
Sham Kishore
Proprietor

D. K. Sharma
Prof. Geology
Approved RQP Dist. Office & Geology
Govt of Bihar, Patna, Bihar St No. 10

The stratigraphic sequence of various geological units with their respective rock types are described below

LITHOSTRATIGRAPHY OF BIHAR

AGE	Geology	Occurrences
Quaternary	Alluvial Deposits (Sand, Clay, Silt, Fragments)	North Bihar Plain & Central Bihar Plain
Tertiary	Sand Stones & Clay Stones	North Champaran Hills
Gondwana	Coal Measures, Forming a series of Small outlier basins	Banka District
Vindhya	Sandstones, Shales, Limestones, etc.	Parts of Bahbhua and Rohtas dist
Satpura	Schist, Phyllite, Quartzite	Part of Aurangabad, Gaya, Nawada, Nalanda, Sheikhpura and Munger District
Proterozoic	Mica Schist, amphibolites, quartzite, granite, dolerite and pegmatite	Nawada, Jamui and Banka
Archaean	Gneisses, Granites, Schists, Phyllites, quartzite, amphibolites &	Part of Aurangabad, Gaya, Nawada, Jamui, Banka and Bhagalpur

STAR BRICKS FIELD
Sham Khushid.
Proprietor.

Dr. Ashish Sharma
Ph.D. Geology

Approved RQP Dept. Of Mines & Geology
Govt. of Bihar Approved RQP SI No. 13

Local Geological Set Up:-

The applied area forms a part of the recent formation having alluvial soil deposit which is Quaternary Alluvial Deposit. The sequence of various formations is as follows:-

Recent	Alluvial	Alluvial Soil
--------	----------	---------------

The topography of the applied area is Flat Land. The general slope is towards North. The applied area is devoid of any vegetation.

(The above data regarding Geology has been adopted from publication of Geological Survey of India,

Geological plan on 1:1,000 / 1:2,000 scale with 1-3 m contour intervals, showing general topography and geology of the area enclosed as Plate No. - 4.

The area showing a nature and extent of the mineral body

The whole area comprises of mineral clay deposit.

- B. Describe briefly prospecting / exploration work done to date viz. geological mapping with
- Not Applicable

Details of samples analysis indicating type of sample:-

- Not Applicable

Grade of Mineral:

- Not Applicable

Nature and Extent of Mineral Body:-

- Not Applicable

STAR BRICKS FIELD
Shamshad
P. Shid.

Dr. Ashish Sharma
Ph.D. Geology
Approved RQP Dept. Of Mines & Geology
Govt of Bihar Approved RQP SI No. 19

CHAPTER - 4
RESERVES

GEOLOGICAL RESERVE

The area is almost Flat and developed quarry land. The formula adopted for calculation of reserve is graphical method and thus mine specification arrived through graphical method are as under :-

S.n.	Particular	Details
1	Lease area	1.420 Hectare (hect.)
2	Area already excavated (1)	0.00 sqm.
3	Depth of mine at above excavated area	0.00 Meter (m)
4	Area already excavated (2)	0.00 sqm.
5	Depth of mine at above excavated area	= m
6	Balance fresh area in the mine (3)	14200.00 sqm.
7	Proposed depth of excavation from surface level	2.00 m
8	Outer Length of mine boundary	552.05 m
9	Inner Length of mine Boundary	183.85 m
10	Average Length of Mine Boundary	367.95 m
11	Width of Mine Boundary	1.00 m
12	Total Area covered in Mine Boundary	367.95 sqm.
13	Area for Chimey/ Killen	NIL sqm.
14	Area for Storage	NIL sqm.

$\text{Area (m}^2\text{)} \times \text{Average height} = \text{Volume (m}^3\text{)} \times \text{specific gravity} = \text{Tonnage}$

$\text{Area (m}^2\text{)} \times \text{depth} = \text{Volume (m}^3\text{)} \times \text{specific gravity} = \text{Tonnage}$

A =	14200.0 m ² X 2.0 m	=	28400.00 m ³
A+B+C =	Total	=	28400.00 m ³

Total geological reserve comes to 28400 cum

STARBRICKS FIELD
Shamunashid,
Proprietor

Dr. Ashish Sharma
Ph.D. Geology

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MINERAL BLOKAGE

- a) Reserve Blocked in Mine Limit - Blockage in barrier (1 meter of berm left due to compliance of guidelines of MOEF):-

$$\text{Area} = \text{Length} \times \text{Width}$$

$$\begin{aligned} &= 367.95 \text{ m} \times 1.0 \text{ m} = 367.95 \text{ m}^2 \\ &= 367.95 \text{ m}^2 \times 2.0 \text{ m} = 735.90 \text{ m}^3 \\ \hline \text{Total reserve Blocked in mine boundary (a)} &= 735.90 \text{ m}^3 \end{aligned}$$

b) Reserve Blocked in Benches & Slope Maintenance (b) = 539.95 m³

c) Other Blockage

i) Reserve blocked under Fix Chimney/Killen = 0.00 m³

$$\text{Total Blocked Reserve (a + b + c)} = \underline{\underline{1275.85 \text{ m}^3}}$$

MINEABLE RESERVE

$$\text{Mineable Reserves} = (\text{Geological reserves} - \text{Blocked reserve})$$

$$= 28400.0 \text{ m}^3 - 1275.85 \text{ m}^3$$

$$= 27124.1 \text{ m}^3$$

RECOVERABLE RESERVE

$$\text{Recoverable Reserve} = (\text{Mineable Reserves} - 10\% \text{ of Mineable Reserves})$$

$$= 27124.1 \text{ m}^3 - (27124 \text{ m}^3 \times 10\% = 2712.4)$$

$$= 24411.7 \text{ m}^3$$

$$\underline{\underline{\text{Total Recoverable reserves} = 24411.73 \text{ m}^3}}$$

STAR BRICKS FIELD

Shamkishid
Proprietor

Ashish Sharma
Dr. Ashish Sharma
Phd. Geology

Approved ROP Dept. Of Mines & Geology
A of Bihar Approval No. StNo. 19

CHAPTER- 5
DEVELOPMENT AND PRODUCTION PROGRAMME

QUARRYING

(A) Method of Quarrying –

The mode of working will be open-cast manual method of mining. This method of mining is used for highest productivity and the lowest cost of any of the broadly used mining methods. During the mining operation the mine wastage will be removed separately and not mixed with the rejected bricks and stacked properly in the proposed place for reclamation purpose or sale only. In order to mitigate the norms stipulated in office memorandum of Government of India Ministry of Environment & Forests No. L-11011/47/2011-IA.II (M) dated: 24th June, 2013 a berm/ boundary of 1.0 meter will be left around 4 side (N, E, S, W) as barrier for afforestation. The excavation of brick earth activity will be restricted to a maximum depth of 2m below general ground level but shall be restricted to 2 m above the ground water table at the site. The proposed heights of working 1 bench of 1m. width x 1m height will be developed along with periphery of the mine for safety. Overall bench slope will be less than 45° with the horizontal. The Mining of clay will be carried out manually with the help of simple instrument like Galty, Fawda, Tagadi etc. Produced clay will be shifted to stacking yard for production of Bricks.

Bench width along the progressive quarry mine phase will be maintained adequately considering the operational safety and ease of mining during mining operation.

(B) Brick Making Process :

Fix Chimney brick manufacturing process has to be adopted which requires open and flat land for clay molding, brick making process along with installation of fix chimney Killen of 33.0 meter height along with gravitational settling chamber.

Approx. 248.26 cum loose earth clay is required to make 1 lac numbers of brick.

STAR BRICKS FIELD

Shamkha Shikha

Ashish Sharma
Dr. Ashish Sharma
PhD Geology

Approved ROP Dept. Of Mines & Geology
Govt of Bihar Approved ROP Sl No. 19

S. No.	Particulars	Detail
1	Number of brick	100000 no's
2	Weight of One Brick	3.00 Kg
3	Total Weight	300 MT

STAR BRICKS FIELD
Shamshurshid
Proprietor

Ashish Sharma
Dr. Ashish Sharma
Ph.D. Geology
Approved RQP Dept. Of Mines & Geology
Govt of Bihar Approved RQP Sl No. 19

Plate No. – 5 (Five year development and production plan) and Cross sections in plate no. 9.

(C) A tentative scheme of quarrying, annual program and plan for excavation from year to year for 5 years.

i) IN FIRST YEAR OF THIS PLAN PERIOD -

In this plan period area of production area will be 2766.41 sqm area. Quarry mine will be developed with bench of 1.00m height x 1.00 m width till RL of 34 m above MSL for getting required production of 4882.35 cum clay, for getting 1966623 numbers of raw bricks.

However after taking 5% of damage and subgrade production, 1868292 numbers of bricks will be produced as saleable bricks.

Bench width along the progressive quarry mine phase/advancement bench will be maintained adequately considering the operational safety during mining operation.

ii) IN SECOND YEAR OF THIS PLAN PERIOD -

In this plan period area of production area will be 2766.41 sqm area. Quarry mine will be developed with bench of 1.00m height x 1.00 m width till RL of 34 m above MSL for getting required production of 4882.35 cum clay, for getting 1966623 numbers of raw bricks.

However after taking 5% of damage and subgrade production, 1868292 numbers of bricks will be produced as saleable bricks.

iii) IN THIRD YEAR OF THIS PLAN PERIOD -

In this plan period area of production area will be 2766.41 sqm area. Quarry mine will be developed with bench of 1.00m height x 1.00 m width till RL of 34 m above MSL for getting required production of 4882.35 cum clay, for getting 1966623 numbers of raw bricks.

However after taking 5% of damage and subgrade production, 1868292 numbers of bricks will be produced as saleable bricks.

iv) IN FORTH YEAR OF THIS PLAN PERIOD -

In this plan period area of production area will be 2766.41 sqm area. Quarry mine will be developed with bench of 1.00m height x 1.00 m width till RL of 34 m above MSL for getting required production of 4882.35 cum clay, for getting 1966623 numbers of raw bricks.

However after taking 5% of damage and subgrade production, 1868292 numbers of bricks will be produced as saleable bricks.

STAR BRICKS FIELD
Sham Khurshid
Proprietor

Dr. Ashish Sharma
Phd. Geology
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iv) IN FIFTH YEAR OF THIS PLAN PERIOD -

In this plan period area of production area will be 2766.41 sqm area. Quarry mine will be developed with bench of 1.00m height x 1.00 m width till RL of 34 m above MSL for getting required production of 4882.35 cum clay, for getting 1966623 numbers of raw bricks.

However after taking 5% of damage and subgrade production, 1868292 numbers of bricks will be produced as saleable bricks.

v) IN FIFTH YEAR OF THIS PLAN PERIOD - Not Applicable

Year wise 5 year's development and production plan and sections attached as Plates no. 5 & 9 Enclosed.

(D) A tentative scheme of quarrying, annual program and plan for excavation after five years-

vi) IN SIXTH YEAR OF THIS PLAN PERIOD - Not Applicable

vii) IN SEVENTH YEAR OF THIS PLAN PERIOD -Not Applicable

viii) IN EIGHTTH YEAR OF THIS PLAN PERIOD -Not Applicable

xi) IN NINTH YEAR OF THIS PLAN PERIOD - Not Applicable

x) IN TENTH YEAR OF THIS PLAN PERIOD -Not Applicable

Production Plan for First Five years

Yrs.	Bench	Soil Bench 1	Soil Bench 2	Mine Waste 10% (cum.)	Soil + Fly Ash = Clay Mix for Raw Brick (cum)	Strippin g Ratio	Gross Raw Brick Producti on (in Nos)	Rejecte d Bricks in Nos. (5%)	Sala Bri Prod on N
1 st Year	Area of excavation(sqm)	2766.4	2658.4	542.48	Clay = 4882.35	1: 0.11	1966623	98331	186
	Av. bench Height (m)	1.0	1.0						
	Volume (cum)	2766.4	2658.4						
	Production (cum)	2489.8	2392.6						
	O.B./Waste (cum) (10%)	276.6	265.8						
	Av. Reduced level(m)	35.0	34.0						
2 nd Year	Area of excavation(sqm)	2766.4	2658.4	542.48	Clay = 4882.35	1: 0.11	1966623	98331	186
	Av. bench Height (m)	1.0	1.0						
	Volume (cum)	2766.4	2658.4						
	Production (cum)	2489.8	2392.6						
	O.B./Waste (cum) (10%)	276.6	265.8						

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	Av. Reduced level(m)	35.0	34.0						
3 rd Year	Area of excavation(sqm)	2766.4	2658.4	542.48	Clay = 4882.35	1: 0.11	1966623	98331	186
	Av. bench Height (m)	1.0	1.0						
	Volume (cum)	2766.4	2658.4						
	Production (cum)	2489.8	2392.6						
	O.B./Waste (cum) (10%)	276.6	265.8						
	Av. Reduced level(m)	35.0	34.0						
4 th Year	Area of excavation(sqm)	2766.4	2658.4	542.48	Clay = 4882.35	1: 0.11	1966623	98331	186
	Av. bench Height (m)	1.0	1.0						
	Volume (cum)	2489.8	2392.6						
	Production (cum)	276.6	265.8						
	O.B./Waste (cum) (10%)	276.6	275.6						
	Av. Reduced level(m)	35.0	34.0						
5 th Year	Area of excavation (sqm)	2766.4	2658.4	542.48	Clay = 4882.35	1: 0.11	1966623	98331	186
	Av. bench Height (m)	1.0	1.0						
	Volume (cum)	2766.4	2658.4						
	Production (cum)	2489.8	2392.6						
	O.B./Waste (cum) (10%)	276.6	265.8						
	Av. Reduced level(m)	35.0	34.0						

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Production Plan for Second Five years - Not Applicable.

Minable reserves and anticipated life of the quarry:

A)	Estimated recoverable reserves	24411.73 cum.
B)	Average rate of production per year during Five year plan	4882.35 cum. of clay or 1966623 nos. of raw bricks
C)	Expected rate of production After five year plan	NIL
D)	Sanctioned lease period	5 years
E)	Thus anticipated life of the quarry	About 5 years. (Up to 2m of mine depth from existing level)

(D) Conceptual Quarry plan:

Exploration: Nil

Drilling: Nil

Dumping of Waste materials:

Rejected/Broken, Sub Grade Bricks and Waste

In the brick manufacturing process some broken/ rejected bricks may arises. Moreover, ash gets generated due to burning of coal. These two items requires their due management. Quantity of generation of broken/rejected bricks and its manner of management has explained below-

Computation of generation of broken/rejected bricks -

S.N.	Particulars	Values
1	Ratio of Rejected Bricks	5% of Produced Raw Bricks
2	Average Weight of 1 Bricks	3.00 Kg
3	Generation of Rejected Bricks from 1 lac of raw brick	15 MT per lac of raw brick

The details of year wise OB / Waste generation is given in the table given below:

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Year	Mine Waste in CUM (10% of Clay Excavation)	Rejected Bricks in MT (5% of Brick Production)
1st Year	542.48	294.99
2nd Year	542.48	294.99
3rd Year	542.48	294.99
4th Year	542.48	294.99
5th Year	542.48	294.99
Total	2712.41	1474.97

Conceptual Plan annexed as Plate No. - 7

Non-saleable rejected or broken bricks, generated during operations have to be stored separately in an open ground and will be disposed by using it to create haul roads or for filling of pits at or around the proposed lease land.

Afforestation:

The following table describes the area proposed for quarrying as a part of the Conceptual Quarry Plan (balance lease period of 5 Years)-

Particulars	Area required in hect. During		Total Area Utilized
	First Five Year	Second Five Year	
Area under Mining	1.383	-	1.383
Area under Statutory Boundary	0.037	-	0.037
Dumping (soil)	0.037	-	0.037
Afforestation	0.037	-	0.037
Area under Storage	-	-	-
Area under Fix Chimney Killen	-	-	-

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Open-cast Quarrying

Loading: Loading will be done manually.

S. No.	Machine	Details					
		Type	No 's	Capacity	Make	Motive Power	H.P.
1	Haulage and Transporting:	Tractors	4	4.5	Mahindra	Diesel	58
2	Miscellaneous:	Water Tanker with water sprinkler	1	2000 ltr	Mahindra	Diesel	95
		Dewatering pumps	1	100 GPM	100 GPM	Diesel & Electric	10

(E) In the case of Quarry by machinery than the detail of machinery to be deployed.

Nil

(F) In case of manual quarry then average daily number of man power to be deployed (number, capacity etc.)

Skilled labours. taking standard O.M.S. to be one the strength of labour for 250 nos. of bricks production per day and working for 240 days a year, 33 labours per day will be required.

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(G) Type and capacity of processing unit if established or proposed in lease area.

Fix Chimney brick manufacturing process has to be adopted which requires open and flat land for clay molding, brick making process along with fix chimney of 33 meter height.

(H) BLASTING : NOT APPLICABLE

(I) COAL REQUIREMENT :

Fixed Chimney Plant requires burning of raw bricks in Killen which requires fuel. Fuel can be used for burning wood, agriculture wastage or coal. It is feasible to burn coal as wood & agriculture wastage are neither available as per need nor burning them is feasible.

Annual Requirement of Coal:

The average annual requirement of coal for the process will be estimated in table below-

S.N.	Year	Total Estimated Production of Raw Bricks in No's.	Coal Need per 1 lac of Brick (in MT)	Maximum Annual Coal Requirement (in MT)
1	1st Year	1966623	12	235.99
2	2nd Year	1966623	12	235.99
3	3rd Year	1966623	12	235.99
4	4th Year	1966623	12	235.99
5	5th Year	1966623	12	235.99

Source of Coal

Coal will be obtained from coal project .

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CHAPTER- 6
MANPOWER DEPLOYMENT

State average daily employment and statutory personals:

Employment strength will be as under as it stood presently:-

(1) Mining Mate	:	1 no. Qualified
(2) Chpwkidars	:	1 no. Experienced
(3) Semi-Skilled Labours	:	4 the strength will depend upon Production.
(4) Skilled Labours	:	Taking standard O.M.S. to be one the strength of labour for 250 nos. of bricks production per day and working for 240 days a year, 33 labours per day will be required.

= 33 labours per day.

Tot = 39 Nos. per day

Mining will generate employment opportunity to local inhabitants directly or indirectly in mining as well as in consequent related activity. All statutory provisions relating to wages, employment and labours will be complied with duly as and when applicable.

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CHAPTER- 7
USE OF MINERAL

Describe the utilization of mineral and type of industry.

Bricks are basic material for civil construction works like buildings etc. for construction of walls. State Government, is carrying on various new township and building projects in all districts. In addition to these various civil constructions, Buildings & Colonies development projects are coming up in Private sectors and are under implementations, all above civil works require Bricks which is in huge demand.

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Proprietor

Ashish Sharma
Dr. Ashish Sharma
Prof. Geology
Approved PGP Dept. of Mines & Geology
Govt. of Bihar, Patna
PGP No. 19

CHAPTER-8
WASTE DISPOSAL ARRANGEMENTS

- a) **Selection of dumping site:** Whatsoever quantity of mine waste generated during the quarrying operation will be stacked at the periphery of mine along the boundary.
- b) **Maximum height and spread of dump:** Height of dumped waste will not exceed 1.0 meter in any case along with the slope of not more than 28 degrees.
- c) **Stacking of sub-grade materials:** What so ever sub grade mineral or rejected bricks generated during brick making process will be stacked at lease area.
- d) **Selection of site for stacking:** Rejected broken bricks will be stacked within the lease area where minerals clay have been excavated till the depth of 2 meter and no further clay is allowed to be excavated so that these pits can be reclaimed.
- e) **Height and spread of stacks:** Height of dumped waste will not exceed 3.0 meter in any case along with the slope of not more than 28 degrees.

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Shamukhshikha
Proprietor

Dr. Ashish Sharma
Phd. Geology
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CHAPTER-9
ENVIRONMENT MANAGEMENT PLAN

A) Measures for protection of environment, especially against air and water pollution due to Quarrying operation:

At present what so ever mining activity carried out in the proposed lease area is not so big. The area is also devoid of flora and fauna. The socio-economic status of the surrounding village is rural with dominant agriculture economy. The surrounding area is thinly populated. There will be no adverse impact due to mining on socio-economic environment. The possible impact on environment is being discussed in the following chapters:

Land use pattern:

Articles	Land use at the end of 5 years in Hect.	Forest Land	Agri. Land	waste Land	Land use at the end of 10 years in Hect.
A. Lease Area	1.420	-	-	1.420	1.420
B. Quarrying & allied	-	-	-	-	-
1. Area under pits	1.383	-	-	-	1.383
2. Area for dumping	0.037	-	-	-	0.037
3. Area for road	-	-	-	-	-
4. Area for Infrastructure	-	-	-	-	-
5. Plantation	0.037	-	-	-	0.037
6. Storage of Mineral	-	-	-	-	-
7. Storage of fines	-	-	-	-	-
8. Processing unit	0.000	-	-	-	-
9. Unused area	-	-	-	-	-

Environment Management Plan annexed as Plate No. - 8

Environment Impact Assessment Statement:

Proposed mining activity will be carried out by Open-cast manual method of mining. Lease hold area is not so big and also the area is devoid of flora and fauna

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i) Land environment:

The proposed lease area is Private Flat land with devoid of vegetation. The area is developed mines with installed fixed chimney within the lease area. The entire area is covered with soil.

As a result of mining operation the original land profile will be altered. The proposed lease hold area is covered with whatsoever overburden/waste will be generated, will be stacked along the statutory barrier.

Topography of the area is Flat land. Reclamation operation will not be possible due to insufficient quantity of material available for reclamation. Pit will be used as agriculture land after complete excavation of mineral.

ii) Air Environment:

There was no major mining activity in the applied area and no air pollution because of mining activity in surrounding area observed. There is no industry in the buffer zone.

Source of Air Pollution:

Emission of SO_x and NO_x may be caused due to use of diesel operated tractor and other Machines etc.

Dust will be generated from loading/unloading and vehicle movement activity etc.

Mitigation measures:

Impact of above is localized, transitory and intermittent in nature and hence their effect on environment is insignificant. However, the following measures will be taken to mitigate the air pollution-

- i. The better maintenance of diesel operated equipment/vehicle will help to reduce emissions (SO_x and NO_x) and maintain below permissible limit.
- ii. Fugitive emissions due to coal burning will be emitted at the height of 33 meter by installed fix chimney along with gravitational settling chamber.
- iii. Fugitive emissions during loading/unloading, handling and transportation of clay and brick will be suppressed by water sprinkler & water spray. Water sprinkling on transport road side (approx. 120 m.), Water sprinkling on stock yard, if any etc. will be done by tractor mounted water sprinkler.
- iv. **Avoid Spillage:** Transportation of minerals will be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of minerals / dust takes place.

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- v. No overloading of minerals for transportation will be committed so that no spillage of minerals / dust takes place.
- vi. **Dense Plantation:** Growing of a green belt along the periphery of lease area will control the air pollution.

iii) Water Environment:

Surface Water: At present there is a water source, which is passing through the lease area and its surrounding except River at 100 m.

Ground Water: It is noticed that the ground water is available below 15 meters of the normal surface level as well as in nearby dug wells and bore wells etc. As the mining operation has been carried out above the ground water table hence there would not be any adverse effect on the ground water.

a) Likely impact of mining on water table

Positive.

The dug out pit will help in recharging of Ground Water by decreasing the runoff.

b) Details of modification/diversion of natural drainage system /Obstruction of water channels and measures taken –

Not Applicable as no any surface water body present in the lease area. No any water body like nalla or river is available near the lease area which needs to be diverted due to quarry mine project. Garland drain of appropriate size will be constructed along with the settling tank at the boundary of statutory limits of the quarry mine to manage the natural drainage and runoff.

c) Measures taken for minimizing silting and contamination of water:

Since the water table is below the maximum excavation depth of operation (2 meter of depth) and the flow or extent of nearest hydrology is too far from the proposed lease area thus no impact can be assessed on water table, water flow or hydrology. Moreover no sewage or other effluents will be generated from the mining activity which are required to be discharged on water hence no water pollution can be assessed. The mining shall not cause any change or diversion of any source of water in the area or any drainage pattern.

Water pollution in mining is generally caused due to generation of dust Oil & grease of transport vehicles etc.

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Mitigation measures proposed for water pollution:-

i) Surface water:

No surface water source such as rivers, streams & dams exists in the mining lease area. Proper maintenance of transport vehicle & prevention of washing of transport vehicle in ponds etc. be helpful to control Water pollution, and it is mandatory for lessee.

ii) Ground water:

Mining for each successive year is proposed to its optimum depth of mineral bed and the mining will not touch the ground water table so there is no chance of disturbance to ground water table. The dug out pit will help in recharging of Ground Water by decreasing the runoff.

d) Requirement of water for quarrying operations

No water is required for the mining process. The details of water balance for existing / proposed mining/processing activity are given below:

A) Computation of Water Requirement for Bricks Production Process

Year	Total Estimated Production of Bricks in No's.	Water Need per 1 lac of Brick (in Itr)	Number of working Days	Water Needed for Clay Molding per day (in KLD)
1 st	19,66,623	0.25	240	2.05
2 nd	19,66,623	0.25	240	2.05
3 rd	19,66,623	0.25	240	2.05
4 th	19,66,623	0.25	240	2.05
5 th	19,66,623	0.25	240	2.05

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B) Water Balance :

Year	Mine Site		Bricks		Domestic		Total Water Requirement
	Dust	Green	Clay	Clay	Drinking	Other	
1 st	2	1	Nil	2.05	2.5	-	7.55
2 nd	2	1	Nil	2.05	2.5	-	7.55
3 rd	2	1	Nil	2.05	2.5	-	7.55
4 th	2	1	Nil	2.05	2.5	-	7.55

e) Source of water

- i) For Green belt and dust suppression:** Water will be made available from quarry mine pit which is accumulated during the rainy season and shall be collected in settling tank for utilization in green belt and dust suppression.
- ii) Domestic usage:** Drinking water is available from dug wells and tube wells in villages near the applied area which is portable, pure and clean.

However, if required, water might be supplied from tube wells within the lease area after taking all statutory permissions.

iv) Noise & Vibration:

a) Noise : Negligible

In the open-cast manual mining the ambient noise level are well within the standards of Occupational Safety and Health Administration (OSHA) and Pollution Control Board. There is likelihood of some increase in noise due to operation of machinery like engines, however noise levels will be less than 90 dBA and exposure to the workers for 8 hours will also be less than stipulated standard of 90 dBA and it's a short term activity.

Mitigation Measures:

Persons working just close to the machines will be provided with ear plugs/ear muffs for further protection. However, impact of operational activity and traffic as mentioned above is local, transitory and intermittent which is for short-term hence no considerable impact can be envisaged.

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b) Ground Vibration : Negligible

c) Fly Rock - NIL.

d) Storage of explosive (like capacity and type of explosive magazine):

Not Applicable.

v) **Human Environment:**

No village or human dwellings are within the quarry lease area. Therefore there will not be any need for resettlement. While due to increase revenue earning in the area there is development of infrastructure facilities like transport, road, housing, schooling and hospital etc. will be raised. There is no any village falling around 2 km. of transportation road side but then also it is the commitment of lessee to cover material during transportation and sprinkling of water on transport road side to minimize the harmful impact on human life due to mining activity.

At this time there is no public buildings or monuments of any importance is seen nearby, which could be affected due to quarry mining operation.

vi) **Social Infrastructure**

At present there are not much activities other than the agricultural activity in the surrounding area. On the other hand mining will generate employment opportunity to local inhabitants directly or indirectly in mining as well as in consequent related activities.

The method of mining will be small scale. There will not be any development of large machinery in the proposed lease area to carryout mining operation, which will create noise pollution, air pollution or any other operational hazards to local public life.

vii) **Rehabilitation and Resettlement (R & R) Plan**

No R&R plan is required as the quarry mine area does not cover any habitation. Hence the mining activity does not involve any displacement of human settlement. No public buildings, places, monuments etc. exist within the lease area or in the vicinity of the mine lease area. The mining operation will not disturb/ relocate any village or need resettlement. Thus no adverse impact is anticipated.

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viii) Stabilization and Vegetation of dumps:

As the area is Flat and the proposed height of the top soil/OB dump will be about 1 meter, therefore it is proposed to be stabilized the dump by grass plantation or cutting of local bushes on it so that spillage of dump does not occur in the surrounding.

- a) **Selection of dumping site:** whatsoever quantity of mine waste generated during the quarrying operation will be stacked at the periphery of mine along the statutory boundary in such a manner that no stacking will be done on the edge of the statutory boundary.
- b) **Maximum height and spread of dump:** Height of dumped waste will not exceed 1 meter in any case along with the slope of not more than 28 degrees

Sewerage system:

No sewerage system is proposed to be developed in the lease area.

ix) Environmental monitoring:

It is proposed to install air, noise and water monitoring stations within the lease area in order to measure the level of change in various environmental factors.

Further following steps will also be taken for environment monitoring and management –

A) Year-wise Program for Plantation:

Afforestation program shall be started with the commencement of mining operation with simultaneous clearing of land by spreading of clay lumps along barrier of proposed lease boundary. 2.5m X 2.5m spacing with 0.6m depth have been suggested for sapling pits on which local species will be planted in the following manner-

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Year	Proposed Site	Species	No. of Sapling
1st Year	All along lease boundary	Seesam, Bargad, Neem, Aam, Pipal etc.	60

B) Budgetary arrangement for environment monitoring management :

Total Rs. 30000/- will be utilized annually for environment management like Plantation, Water sprinkling on transport road, Water sprinkling on stock yard etc. The details of expenditure are given in table below:

Proposed Action Plan Towards socio economic development	Expenses per Year (in Rs.)
General Development of the area	
i) Dust Suppression	10,000
ii) CSR Activities	5,000
iii) Development of Green Belt	10,000
iv) Expenditure for Environment Monitor	5,000
Total	30,000

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Proprietor

Arshad Sharma
Dr. Arshad Sharma
Phd. Geology

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CHAPTER-10
MEASURES TO BE TAKEN FOR RECLAMATION OF LAND

i) Mined out land –

As a result of mining operation, the original ground profile will be altered. The lease area is small and topography of the area is flat. Whatsoever mine waste will be generated; will be stacked along the barrier of mine. Reclamation operation will not be possible due to insufficient quantity of material available for reclamation. After complete excavation of minerals pit will be used as agriculture land.

ii) Storage and prevention of top-soil –

Not Applicable as soil will be used for brick making.

iii) Proposal for reclamation of land affected by quarrying activities during and at the end of

Reclamation of mined out area is the most important activity of EMP, as a result of mining operation the original land profile will be altered. The proposed lease hold area is covered with alluvial soil.

Topography of the area is Flat. Reclamation activities will be commenced only after attaining the optimum thickness which is economically viable has been extracted.

During the lease period whatsoever overburden/waste will be generated, will be stacked along the statutory barrier so that it can only be used for reclamation purpose or construction of haul road at or near by the mining area. Reclamation operation will not be possible due to insufficient quantity of material available for reclamation. After complete excavation of minerals pit will be developed as agriculture land.

iv) Disposal of Rejected/Broken, Sub Grade Bricks and Waste

In the fix chimney brick manufacturing process some broken/ rejected bricks may arises. Moreover, ash gets generated due to burning of coal. These two items requires their due management. Non-saleable rejected or broken bricks, generated during operations have to be stored separately in an open ground and will be disposed by using it to create haul roads or for filling of pits at or around the proposed lease land.

Generated ash from the plant will be re-utilized for manufacturing of bricks by mixing it with brick clay mix.

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CHAPTER-11
QUARRYING CLOSURE PLAN

i) Introduction :

M/s Star Bricks Field Mrs- Shama Khurshid of village Dalkhola tehsil Karan Dighi district Uttar Dinajpur (Bihar) Pin No. 733201. The lease is already sanctioned over an area of 1.42 Hect. at village Jaipura in District - Katihar (Bihar)

The approved khasra map is enclosed as Plate No. -1.

Description about the quarry mine is given in the below table –

State		Bihar			
District		Katihar			
Taluka		Balrampur			
Village		Jaipura			
Khasra No.		115, 133, 134, 136, 138			
Lease area (hectares)		1.42 Hect.			
Compartment number if the area is recorded to be in forest (please specify whether protected, reserve etc.)		Not Applicable			
Ownership/Occupancy		115, 133, 134, 136, 138		Private Land	
Existence of public Road/ railway line, if any, nearby and approximate distance		National Highway		NH 12 is 4.0 km at East	
		State Highway		Road at 9.0 km.	
		Public Road		1 00 m in East	
		Railway Line		8.0 Km in East	
Toposheet No with Latitude/ Longitude		Toposheet No. 0			
Boundry Point	Latitude	Longitude	Boundry Point	Latitude	Longitude
A	N25° 49' 32.324"	E87° 52' 21.462"			
B	N25° 49' 31.816"	E87° 52' 28.757"			
C	N25° 49' 29.496"	E87° 52' 28.283"			
D	N25° 49' 30.160"	E87° 52' 20.876"			
Land Use Pattern (Forest, agricultural, grazing, barren, etc.)			(i) Forest	Forest (specify)	Area (ha)- Nil
			(ii) Non-forest Waste Land-	(i)	1.42 Hect. Area.
				(ii) Grazing land,	Nil
				(iii) Agriculture	Nil
				(iv) barren land	Nil
				(v) others (specify)	Nil

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Shama Khurshid
Proprietor

Aradhish Sharma
P.F. Geology
Approved RQP Dept. Of Mines & Geology
Govt of Bihar Approved RQP SI No. 19

ii) Land Use:

Land use distribution proposed for quarrying and its allied works and ultimate land use

Articles	Land use at the end of 5 years in Hect.	Forest Land	Agri. Land	waste Land	Land use at the end of 10 years in Hect.
A. Lease Area	1.420	-	-	1.420	1.420
B. Quarrying & allied	-	-	-	-	-
1. Area under pits	1.383	-	-	-	1.383
2. Area for dumping	0.037	-	-	-	0.037
3. Area for road	-	-	-	-	-
4. Area for Infrastructure	-	-	-	-	-
5. Plantation	0.037	-	-	-	0.037
6. Storage of Mineral	-	-	-	-	-
7. Storage of fines	-	-	-	-	-
8. Processing unit	0.000	-	-	-	-
9. Unused area	-	-	-	-	-

iii) Mining /Quarrying Method:

Already discussed in quarry plan, Please refer chapter 5 of the quarry plan.

iv) Reasons for closure :

As per the rules the lessee has to submit quarry mining plan with progressive quarry closure

v) Statutory Obligation: Not Applicable.

vi) Closure Plan Preparation:

STAR BRICKS FIELD
Shamshuddin
Proprietor

Dr. Ashish Sharma
Prof. Geology
Approved ROP Dept. Of Mines & Geology
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✓ Sharma Khushid.

Applicant:

M/s Star Bricks Field
Mauza - Dalkhola
Anchal - Karan Dighi
District - Uttar Dinajpur
State - Bihar
PIN code - 733201
Phone -

Status: Private Individual

Registered Qualified Person:

Dr. Ashish Sharma
Address- Hasib Villa, Naya Tola Line Bazar
Purnea, Bihar
Cell: 7091510996, 9753385659
Email: alamshaique@gmail.com

STAR BRICKS FIELD

Sharma Khushid
Proprietor

Ashish Sharma
PhD Geology

Approved ROP Dept. Of Mines & Geology
Govt of Bihar Approved ROP St No. 19

vii) Mine Description :

A) Geology:

Regional Geological Set Up:-

Already discussed in quarry plan, Please refer chapter 3 of the quarry plan.

Local Geological Set Up:-

Already discussed in quarry plan, Please refer chapter 3 of the quarry plan.

B) Reserves:

i) GEOLOGICAL RESERVE

The area is almost Flat and developed quarry land. The formula adopted for calculation of reserve is graphical method.

$$\begin{aligned} \text{Area (m}^2\text{)} \times \text{Average height} &= \text{Volume (m}^3\text{)} \times \text{specific gravity} = \text{Tonnage} \\ \text{Area (m}^2\text{)} \times \text{depth} &= \text{Volume (m}^3\text{)} \times \text{specific gravity} = \text{Tonnage} \end{aligned}$$

A =	14200.0 m ²	X	2.0 m	=	28400.00 m ³
A+B+C =			Total	=	28400.00 m ³

Total geological reserve comes to 28400 cum

MINERAL BLOKAGE

a) Reserve Blocked in Mine Limit - Blockage in barrier (1 meter of berm left due to compliance of guidelines of MOEF): -

$$\text{Area} = \text{Length} \times \text{Width}$$

=	367.95 m	X	1.0 m	=	367.95 m ²
=	367.95 m ²	X	2.0 m	=	735.90 m ³

Total reserve Blocked in mine boundary (a) =	735.90 m ³
--	-----------------------

b) Reserve Blocked in Benches & Slope Maintenance (b) =	539.95 m ³
---	-----------------------

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Shame Khushid
Proprietor

Prakash Sharma
Chartered Geologist
Approved RQP Dept. Of Mines & Geology
Govt of Bihar Approved RQP 9

c) Other Blockage

i) Reserve blocked under Fix Chimney/Killen = 0.00 m^3

Total Blocked Reserve (a + b + c) = 1275.85 m^3

MINEABLE RESERVE

Mineable Reserves = (Geological reserves - Blocked reserve)

$$= 28400.0 \text{ m}^3 - 1275.85 \text{ m}^3$$

$$= 27124.1 \text{ m}^3$$

RECOVERABLE RESERVE

Recoverable Reserve = (Mineable Reserves - 10% of Mineable Reserves)

$$= 27124.1 \text{ m}^3 - (27124 \text{ m}^3 \times 10\% = 2712.4)$$

$$= 24411.73 \text{ m}^3$$

Total Recoverable reserves = 24411.73 m^3

C) Closure Plan :

1) Mined Out Land :

a) Storage & preservation of top soil: Not Applicable

b) Proposal for reclamation of land affected by mining activities during and at the time of mining: As a result of mining operation, the original ground profile will be altered.

The lease area is small and topography of the area is Flat. Whatsoever overburden/waste will be generated, will be stacked along the statutory barrier so that it can only be used for reclamation purpose or construction of haul road at or near by the mining area.

Reclamation operation will not be possible due to insufficient quantity of material available for reclamation. Pit will be developed as agriculture land.

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Proprietor

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c) **Forest:** The area does not fall under forest.

d) **Pollution:** Closure activity does not involve such activity in order to generate considerable pollution surrounding the environment.

Vegetation: Though there are little chances of adverse effect on vegetation but new plantation is proposed 60 Local plants on 1st Year of plan and provided with barbed wire fencing. It is also proposed to do social forestry.

Plantation will be done concomitant with the mining operations in a phased manner. This will be done after the completion of mining operation also. Afforestation will be done in consultation with forest department as mentioned earlier in this report.

Since the area is barren and there is no grass etc. cattle grazing in the mining area is not possible. In view of shallow mining there is no chance of cattle falling in the pits.

2) **Water quality management :**

There are no surface water and ground water bodies available in the lease area. There is no perennial rivers/nallas or spring present near by the proposed lease area. Water table is available at approx. 15 meter below from the normal surface level. As an evident from nearby wells, as well as by villagers during the summer water table goes down below 15 meter and in rainy season water table comes up within 10 meter. Since the water table is below the maximum excavation depth of operation and the flow or extent of nearest hydrology is too far from the proposed lease area thus no impact can be assessed on water table, water flow or hydrology. Moreover no sewage or other effluents will be generated from the mining activity which are required to be discharged on water hence no water pollution can be assessed. The mining shall not cause any change or diversion of any source of water in the area or any drainage pattern.

3) **Air Quality Management :**

The proposed mining method is manual in nature and small. There will not be any deployment of heavy machinery. Emissions of SO_x and NO_x may be caused due to use of diesel operated tractor machines etc. Dust will be generated during loading/unloading and vehicle movement activity etc. Impact of above is localized, transitory and intermittent in nature and hence their effect on environment is insignificant. However the following measures will be taken to mitigate the air pollution-

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Dr. Ashish Sharma
Ph.D. Geology
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To prevent air pollution the following corrective steps will be taken during mining:

- i) The better maintenance of diesel operated equipment/vehicle will help to reduce emissions (SOx and NOx) and maintain below permissible limit.
- ii) Fugitive emissions during mining, loading/unloading, handling and transportation will be suppressed by water sprinkler on transport road side and stock yard etc. by tractor mounted water sprinkler.
- iii) Other machineries will be shifted to other site of the applicant.
- iv) **Avoid Spillage:** Transportation of minerals will be done by covering the trucks with tarpaulin or other suitable mechanism so that no spillage of minerals / dust takes place.
- v) **Dense Plantation:** During and after mining operation plants will be planted in consultation with forest department. Under these circumstances, reclamation will be done in consultation with forest department so that the plants species may be of similar type as prevalent in the area.

Therefore no significant impact on the quality of air in the surrounding area will be feared.

- 4) **Top soil management:** Not Applicable
Tailing Dam Management: Not Applicable because no dam is present around the lease area.
- 5) **Infrastructure:** As the mining activity does not require major infrastructure except few machineries and rest shelters, therefore at the time of closure of mine machineries will be shifted to other places of applicant and rest shelters etc. will continued to be used.
- 6) **Mining Machinery:** Tractors will only be utilized which will be shifted to other quarry mines at MCP stage. No disposal / shifting will be needed in the MCP period.
- 7) **Safety and Security:** All the safety measures will be implemented to prevent access to surface openings, excavations etc., and arrangements proposed during the quarry mine abandonment plan and up to the site being opened for general public should be as per Govt. rules.
- 8) **Disaster Management & Risk Assessment:** This should deal with action plan for high risk accidents like landslides, subsidence, flood, inundation in underground mines, fire, seismic activities, tailing dam failure etc. and emergency plan proposed for quick evacuation, ameliorative measures to be taken etc. The capability of lessee to meet such eventualities and the assistance to be required from the local authority will be as per Govt. rules.

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Proprietor

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- 9) **Care and maintenance during temporary discontinuance:** For every ten yearly review (as given in the mining plan), an emergency plan for the situation of temporary discontinuance or incomplete programme due to court order or due to statutory requirements or any other unforeseen circumstances, should include a plan indicating measures of care, maintenance and monitoring of status of unplanned discontinued mining operations expected to re-open in near future. This should be in detail, item wise status monitoring and maintenance with periodicity. When it will require will be maintained as per Govt. rules.
- 10) **Financial Assurance:** Financial assurance has to be furnished by every lease holder. The amount of financial assurance shall be @ rupees 25,000 per hectare or part thereof of the quarry lease area.

Financial assurance = 25,000 X Lease Area in Hect.

$$= 25000 \times 1.420 \text{ Hect.}$$

$$= 50000$$

Total financial assurance is Rs. 50000

Progressive Quarry Closure Plan annexed as Plate No. - 6

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STAR BRICKS FIELD
Sharma Khushi d.
Proprietor

Ashish Sharma
Dr. Ashish Sharma
Phd. Geology
Approved RQP Dept. Of Mines & Geology
Govt of Bihar Approved RQP Sl No 19

CERTIFICATE FROM APPLICANT

- a) Certified that the provisions of mine Act. Rules and Regulations made there under have been observed in the mining plan and wherever specifications are required, the applicant will approach to the Director General of mine & Safety.
- b) It is also certified that the information's furnished in the above quarry plan, environment management plan, and quarry closure plan are true and correct to the best of my knowledge and belief. Above quarry plan, environment management plan, and quarry closure plan have been drafted on the basis of information provided by me and the above plans so drafted are accepted to me.

(APPLICANT)

✓ Shama Khushi

M/s Star Bricks Field
Mauza - Dalkhola
Anchal - Karan Dighi
District - Uttar Dinajpur (Bihar)
PIN code - 733201

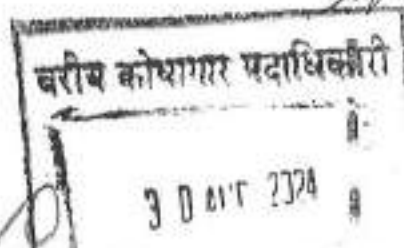
--- ** --- * --- ** ---

STAR BRICKS FIELD
Shama Khushi
Proprietor

Dr. Ashish Sharma
Prat Gachhi
Approved ROP Dept. Of Mines & Geology
Govt of Bihar Approved ROP Sl No. 19



बिहार BIHAR



5516/2024 गंगा खुशीदास नौशाद आलम 695441
डा. दालखोला उत्तर दिनाजपूर
8.1000L
NOTARY ARARIA
Stamp Vendor
Dist Registri office Araria
L No. 4/95-96

एकरारनामा सह शपथ पत्र वास्ते मिट्टी कटाई



प्रथम पक्ष :- नौशाद आलम पिता-स्व० अबुल हस्नात, ग्राम-दालखोला,
पोस्ट-दालखोला, थाना-दालखोला, अंचल-करणदिघी,
जिला-उत्तर दिनाजपूर, पश्चिम बंगाल।

द्वितीय पक्ष :- शमा खुशीदास पति-नौशाद आलम, ग्राम-दालखोला,
पोस्ट-दालखोला, थाना-दालखोला, अंचल-करणदिघी,
जिला-उत्तर दिनाजपूर, पश्चिम बंगाल।

लेख्य का प्रकार :- लीज एकरारनामा / शपथ पत्र।

मुदत :- 5 वर्ष।

अवधि :- आज दिनांक-21.09.2024 से 20.09.2029 तक।

मैं प्रथम पक्ष नौशाद आलम शपथपूर्वक एकरार करता हूँ कि मेरी
जमीन मौजा-जयपुरा, अंचल-बलरामपुर, जिला-कटिहार, राज्य-बिहार में
है। जिसका खाता सं०-3, 12, 15, खेसरा सं०-115, 133, 134, 136,

138, कुल रकवा-3.51 डी0 जमाबंदी सं0-117, 122, में दर्ज है। जिसमें से में कुल 3.51 एकड़ जमीन द्वितीय पक्ष शमा खुर्शीद (M/S STAR BRICKS FIELD) के संचालक को मिट्टी कटाई के वास्ते आज दिनांक से अगल पाँच वर्ष के लिए निम्नलिखित शर्तों पर दे रहा हूँ।

— शर्तें :—

1. बतौर मुआवजा प्रति वर्ष प्रति एकड़ 10 हजार रुपया द्वितीय पक्ष अदा करेंगे।

2. मिट्टी कटाई की अधिकतम गहराई 2 मीटर या उससे कम रखी जाएगी।

3. मिट्टी कटाई से पूर्व सभी आवश्यक स्वीकृति आदेश अपने खर्च पर प्राप्त करेंगे।

4. समय अवधि के अन्दर मिट्टी काट कर जमीन को समतल कर खाली कर देंगे।

मैं शपथ पूर्वक एकरार करता हूँ कि मिट्टी कटाई के लिए दिए गए जमीन से मिट्टी काट कर STAR BRICKS FIELD में ले जाकर मिट्टी से ईंट निर्माण कार्य करने पर मुझे कोई आपत्ति नहीं है।

एकरारनामा/शपथ पत्र में कहीं गई सारी बातें सही एवं सत्य है।

STAR BRICKS FIELD
Notarised
 प्रथम पक्ष/एकरारकर्ता/शपथकर्ता का ह0

ATTESTED

Rajjan Kumar Verma
 Rajjan Kumar Verma
 Notary, Araria (Bihar)

STAR BRICKS FIELD
Shama Khurshid
 Proprietor
 - द्वितीय पक्ष का ह0
Shama Khurshid
 Authorised U/s 53 of the Indian
 Evidence Act (Act I of 1872) read
 with S(1)(a) of the Notarised
 Act (Act III of 1952) ✓

Notarised by
Shama Khurshid
Shama
 24/9/24

राजस्व एवं भूमि सुधार विभाग, बिहार
सरकार
प्रपत्र-XIV ख
(देखें नियम-10)
लगान रसीद

ऑनलाइन

Running Unique No.: 2608240822350578
(Receipt No.)

तहसील :- Katihar
हल्का :- SIHAGAON
जमाबंदी संख्या :- 117
भाग वर्तमान :- 2
पृष्ठ संख्या :- 3
कंप्यूटरीकृत जमाबंदी संख्या :- 201114600016042
जमाबंदी रयत का नाम :- मो नौशाद आलम
अभिभावक का नाम :- हाजी हसनत (हजी अबुल इस्मायिल)
अंचल :- Barampur
मौजा :- जयपुरा
मौजा/थाना संख्या :- 38
पता :-

खता संख्या	खेसरा संख्या	रकबा/डिसमिल
15	115/133/134	0 एकड़ 78 डिसमिल 0 हेक्टर

सालाना मांग(बकाया और वर्तमान) चासू वित्तीय वर्ष का

वित्तीय वर्ष	सालाना दर	बकाया	वर्तमान	सूद	कुल	अभिवृद्धि(बकाया का वर्ष कब से कब तक) राशि
जमाबंदी लगान	110.00	550.00	110.00	0.00	660.00	2019-2020 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	159.50	797.50	159.50	0.00	960.00	2019-2020 से 2024-2025
कुल	269.50	1347.50	269.50	0.00	1620.00	2019-2020 से 2024-2025

वसूली

वित्तीय वर्ष	बकाया के विरुद्ध वसूली	वर्तमान मांग के विरुद्ध कुल वसूली	कुल वसूली	अवशेष राशि(बकाया का वर्ष कब से कब तक) अभिवृद्धि
लगान	550.00	110.00	660.00	2019-2020 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	797.50	159.50	960.00	2019-2020 से 2024-2025
कुल	1347.50	269.50	1620.00	2019-2020 से 2024-2025

कुल बकाया-1620.00

वसूल की गयी राशि शब्दों में- One Thousand Six Hundred Twenty Rupees

तिथि: 20-08-24



STAR BRICKS FIELD

Shama Khushi
Proprietor

यह एक कंप्यूटर जनित प्रति है।
किसी भी प्रकार की अशुद्धियों के लिए सम्बन्धित अधिकारी से संपर्क करें।

राजस्व एवं भूमि सुधार विभाग, बिहार

सरकार

प्रपत्र-XIV ख
(देखें नियम-10)

लगान रसीद

ऑनलाइन

Running Unique No.: 2608240811002397
(Receipt No.)

जिला :- Kathar	अंचल :- Balrampur
हल्का :- SIHAGAON	मौजा :- जयपुरा
जमाबंदी संख्या :- 122	
भाग वर्तमान :- 2	
पृष्ठ संख्या :- 8	मौजा/थाना संख्या :- 38
कंप्यूटरीकृत जमाबंदी संख्या :- 201114600016047	
जमाबंदी रयत का नाम :- नौशाद आलम	पता :- सहूल टोला,
अभिभावक का नाम :- हाजी हसनत (अबुल हसनत)	

खाता संख्या 12, 3	सेसरा संख्या 136, 138	रकबा/हिसाबित 2 एकड़ 73 डिसमोल 11 हेक्टर
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साताना मांग(बकाया और वर्तमान) चालू वित्तीय वर्ष का

वित्तीय वर्ष	साताना दर	बकाया	वर्तमान	सूद	कुल	अभियुक्ति(बकाया का वर्ष कम से कम तक)
जमाबंदी लगान	340.00	1700.00	140.00	0.00	2040.00	2019-2020 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	493.00	2465.00	493.00	0.00	2960.00	2019-2020 से 2024-2025
कुल	833.00	4165.00	833.00	0.00	5000.00	2019-2020 से 2024-2025

वसूली

वित्तीय वर्ष	बकाया के विरुद्ध वसूली	वर्तमान मांग के विरुद्ध कुल वसूली	कुल वसूली	अवशेष राशि(बकाया का वर्ष कम से कम तक) अभियुक्ति
लगान	1700.00	340.00	2040.00	2019-2020 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	2465.00	493.00	2960.00	2019-2020 से 2024-2025
कुल	4165.00	833.00	5000.00	2019-2020 से 2024-2025

कुल बकाया-5000.00

वसूल की गयी राशि शब्दों में- Five Thousand Rupees

दिनांक: 20-08-20



STAR BRICKS FIELD
Sharma Ramesh
Proprietor

यह एक कम्प्यूटर जनित प्रति है।
किसी भी प्रकार की अशुद्धियों के लिए सम्बन्धित अंचलाधिकारी से संपर्क करें।

अराजी नकदी अराजी भावली तफसील हिस्सा लगान भावली।

2-73-11 (1) (1150 रु (1150 रु) ने 1150 रु (1150 रु)

जोत का सालाना मांगमय तफसील (बकाया वो हाल) मौजूदा साल का।

मांग बाबत	सालाना	बकाया 1871 L				हाल 1871 L
		तीन वर्ष से ज्यादा	3रा वर्ष।	2रा वर्ष।	1ला वर्ष। 1218	
माल- } (नकदी)	340.00				1020.00	340.00
गुजारी } (भावली)	45.00				255.00	45.00
सेस	170.00				510.00	170.00
*सूद	170.00				510.00	170.00
मुतफरकत	65.00				255.00	65.00
मीजान	850.00				2550.00	850.00

तफसील अदायकारी।

अदायकारी बाबत	सालाना	बकाया 1871 L				मीजान	फाजिल
		तीन वर्ष से ज्यादा	3रा वर्ष।	2रा वर्ष।	1ला वर्ष। 1218		
माल- } (नकदी)	340.00				1020.00	340.00	
गुजारी } (भावली)	45.00				255.00	45.00	
सेस	170.00				510.00	170.00	
*सूद	170.00				510.00	170.00	
मुतफरकत	65.00				255.00	65.00	
मीजान अदायकारी	850.00				2550.00	850.00	30.00

(1) मीजान कुल (लफ्तों में) -- 340.00 रु (340.00 रु) नीचे 340.00 रु

(2) नाम देहिन्दा -- 1150 रु

(3) कुल बकाया -- 1150 रु

दस्तावेज वो तारीख अमला तहसील कुनिन्दा

*आदाय मालगुजारी का बकाया मालगुजारी पर (सिवाय ऐसे बकायों पर जिन पर कि सर्टिफिकेट जारी हो) सूद नहीं लिया जाता है।

SPL-16-17

STANDARD FIELD

Shamshad

Proprietor




Shanta Khuntia
Date of Birth/DOB: 25/04/1985
Female/ FEMALE



Author is proved of identity, date of birth/DOB, and gender/sex.
 Author is proved of identity, date of birth/DOB, and gender/sex.
 Author is proved of identity, date of birth/DOB, and gender/sex.

2382 6039 0383
मेरा आधार, मेरी पहचान




Unique Identification Authority of India
Unique Identification Authority of India

Address:
 W/O Nishad Alam, Dakshin Bazar, Ward no
 05, Dakshin(M), PO: Dakshin, DIST: Udaipur
 District: West Bengal - 733201



2382 6039 0383
UID : 9172 4955 5501 0289

2017 2017 2017 2017 2017 2017 2017 2017 2017 2017

STAR BRICKS FIELD

✓ Shama Khuntia
Proprietor

SHAMA KHURSHAD
HAZI KHURSHAD ALAM
25/04/1988
Account Number
BKXPK8335E
Signature
Star Bricks Field



✓ Shama Khurshad
Star Bricks Field

District Mining Office, Katihar

Form-D

[See Rules 33(1)]

Form Of Permit for Minor Minerals To be Issued Under The Bihar Minerals
(Concession, Prevention of Illegal Mining, Transportation & Storage) Rules, 2019

Permit No-...21...../2023-24

District-Katihar

Name and address of the Permit holder:- **M/S-Star Bricks Field**, Pro-Shama khurshid
Address-Vill/Town-Dalkola, P.O-Dalkola, P.S-Dalkola, Dist-Uttar Dinajpur.

Name of Locality Village, Plot	Date of expiry of Permit	Name and description of minor minerals	Purpose for which it will be used	Number of quantity of materilas	Rate of Royalty	Total amount paid GRN, DT
1	2	3	4	5	6	7
Mouja-Jaipura Anchal-Balrampur PlotNo-137, 138, 101, 102 & 109 e.t.c Maka STAR	Session-2023-24 Up to 30.06.2024	Brick Earth	Business Purpose	25 Lakh Bricks	@RS-4500/- Per Lakh	GRN- BHR2023100038929E Rs-1,11,900/- 11-10-2023



Mineral Development Officer,
Katihar

The permit is issued subject to the terms and conditions noted below:-

- 1- Materials shall have to be removed within the prescribed time-limit.
- 2- Quarrying is not allowed beyond a depth of 3m from the surface.
- 3- Compensation, if any, shall have to be paid for damage to the land covered by permit.
- 4- Felling of trees is not allowed without prior permission of competent authorities within whose jurisdiction the area lies.
- 5- Surface operation shall not be done on any public prohibited and restricted place.
- 6- Every type of accident shall be reported to the competent Officer immediately.
- 7- The party shall be liable to indemnify the claims of third parties. State Government shall not be responsible for such claims in any way.
- 8- The materials left after the cancellation the permit shall be forfeited to Government and the same shall be deemed to be Government property.
- 9- No excess quantity of materials beyond this permit shall be removed without obtaining prior permit, otherwise the permit-holder shall be liable for action under Bihar Minerals (Concession, Prevention of Illegal Mining, Transportation & Storage) Rule, 2019.
- 10- Proper accounts for the extraction and removal shall be submitted in the Prescribed form and a monthly return shall be submitted within the month following the month to which extraction relates.
- 11- e-chalans in the prescribed form shall have to be issued for the materials to be dispatched or sold from the area.

N.B.-Breach of any of the conditions noted above is liable for the cancellation of permit, forfeiture of materials extracted and such other action as may be deemed necessary.

Shama Khurshid
Proprietor



BIHAR STATE POLLUTION CONTROL BOARD
Parivesh Bhawan, NSB-2, Patliputra Industrial Area
Patliputra, Patna - 800 010

Patna, dated- 18.07.22

Ref.no.- 1051

EMISSION CONSENT ORDER

Reference to the online application ID: 1864485, dated 14.06.2022 and affidavit submitted to the effect of having converted into cleaner technology, soil mining less than 1.5 meter of Smt. Shama Khursid, M/s Star Bricks Industries, At+Po.-Dalkola, Dist.-Uttar Dinajpur (W.B.) for consent under sections 21 of the Air (Prevention & Control of Pollution) Act, 1981, he/they is/are granted **Consent-to-Operate (CTO)** for brick kiln with cleaner technology and Zig-Zag loading of green bricks (**Capacity-15,000Nos/day**) at Jaipura, Telta, Dist.-Katihar for the period upto 31.08.2027 with the following conditions:-

- 1 That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 22,23 and 31A of the Air (Prevention & Control of Pollution) Act, 1981 and further shall extend co-operation to the Board in performing its functions entrusted under sections 24,25 and 26 of the Act;
- 2 That, he/they shall comply with the requirements of rule 14 of the Environment (Protection) Rules, 1986; rules of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016; rules of the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989; and the provisions of the Public Liability Insurance Act, 1991, whichever is applicable;
- 3 That, he/they shall monitor his/their emission(s) and the ambient air quality at representative point regularly and shall maintain its quality in conformity with standards prescribed in the E (P) rules as amended. The report (proof) shall be produced, as and when asked for.
- 4 That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e. 31.07.2027 or within 30 days from the date of receipt of this order, whichever is applicable.
- 5 That, they shall achieve the particulate matter emission limit by installing gravity settling chamber and appropriate stack height.
- 6 That, emission of particulate matter from the stack shall not exceed 250 mg/Nm³ and shall submit flue gas analysis report to the Board on yearly basis.
- 7 That, all the moving area around the main brick kiln including access road should be paved or concrete and water spraying arrangement shall be developed to minimize the fugitive dust emissions during transportation.
- 8 That, the unit shall ensure, fine dust not to accumulate all around the brick kiln.
- 9 The ash generated in the brick kilns shall be fully utilized in-house in brick making.
- 10 All necessary approvals from the concerned authorities including mining department of the concerned State or Union Territory shall be obtained for extracting the soil to be used for brick making.
- 11 Vehicles shall be covered during transportation of raw materials/bricks.
- 12 That, they shall comply with the provisions of the Bihar Minerals (Concession, Prevention of illegal mining, Transportation & Storage) (Amended) Rules, 2021.
- 13 That, the maximum depth of soil mining shall not exceed 1.5 meter below general ground level.
- 14 That, tree plantation of evergreen species shall be developed in two (2) rows all around the campus and shall be maintained.
- 15 That, the unit shall submit Environmental Statement ending financial year by the 30th September of the following year.
- 16 The unit shall have a display board near the site stating name of unit/industry with address/name of proprietor with address/ make of bricks manufacturing and ref. memo no. and date of consent with its validity period granted by the Board.
- 17 That, this CTO is granted on basis of affidavit up-loaded and subject to the condition that in the event of any information/ documents submitted are found false or misleading at any stage, this CTO shall be revoked and legal action shall be initiated which may include closure and/or shifting to a suitable location at proponent's risk and cost.

To,

Smt. Shama Khursid,
M/s Star Bricks Industries,
At+Po.-Dalkola,
Dist.-Uttar Dinajpur (W.B.)

(S.N.Thakur)
Regional Officer, Patna

EPABX: 0612-2261250/2262265, Fax: 0612-2261050
E-mail: mspcb.bihar@gov.in Website: <http://bspch.bihar.gov.in>

✓ Shama Khursid
Proprietor

✓ STAR BRICKS FIELD
Shamukhushud
Proprietor

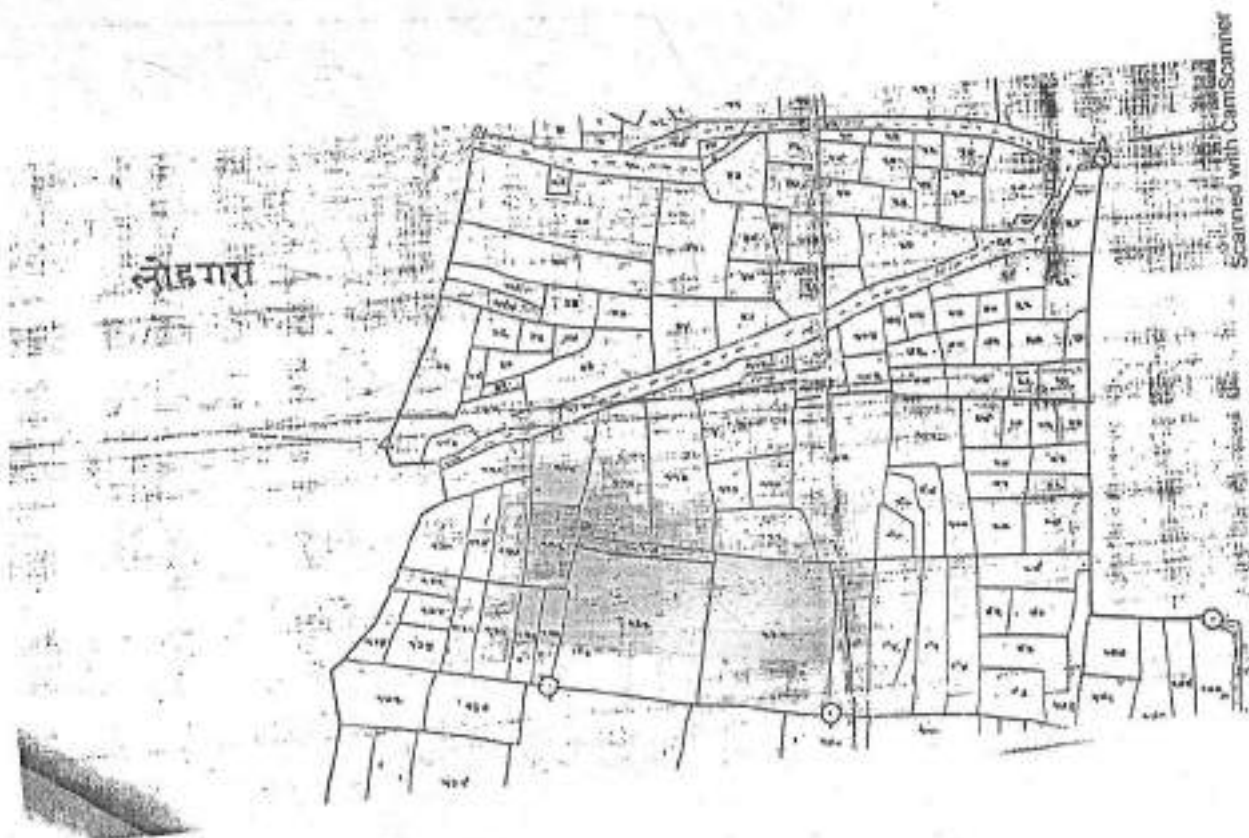
Latitude: 25.825746
Longitude: 87.874527
Elevation: 60.08±6 m
Accuracy: 10.0 m
Time: 09-15-2024 16:25
Note: Star Bricks Field Shama

Powered by NoteCam

✓ STAR BRICKS FIELD
Sharma Khunbhid
Proprietor

Latitude: 25.825747
Longitude: 87.874527
Altitude: 1.9416 m
Accuracy: 5.9 m
Time: 09-15-2024 16:25
Note: Star Bricks Field Sharma

Powered by NoteCam



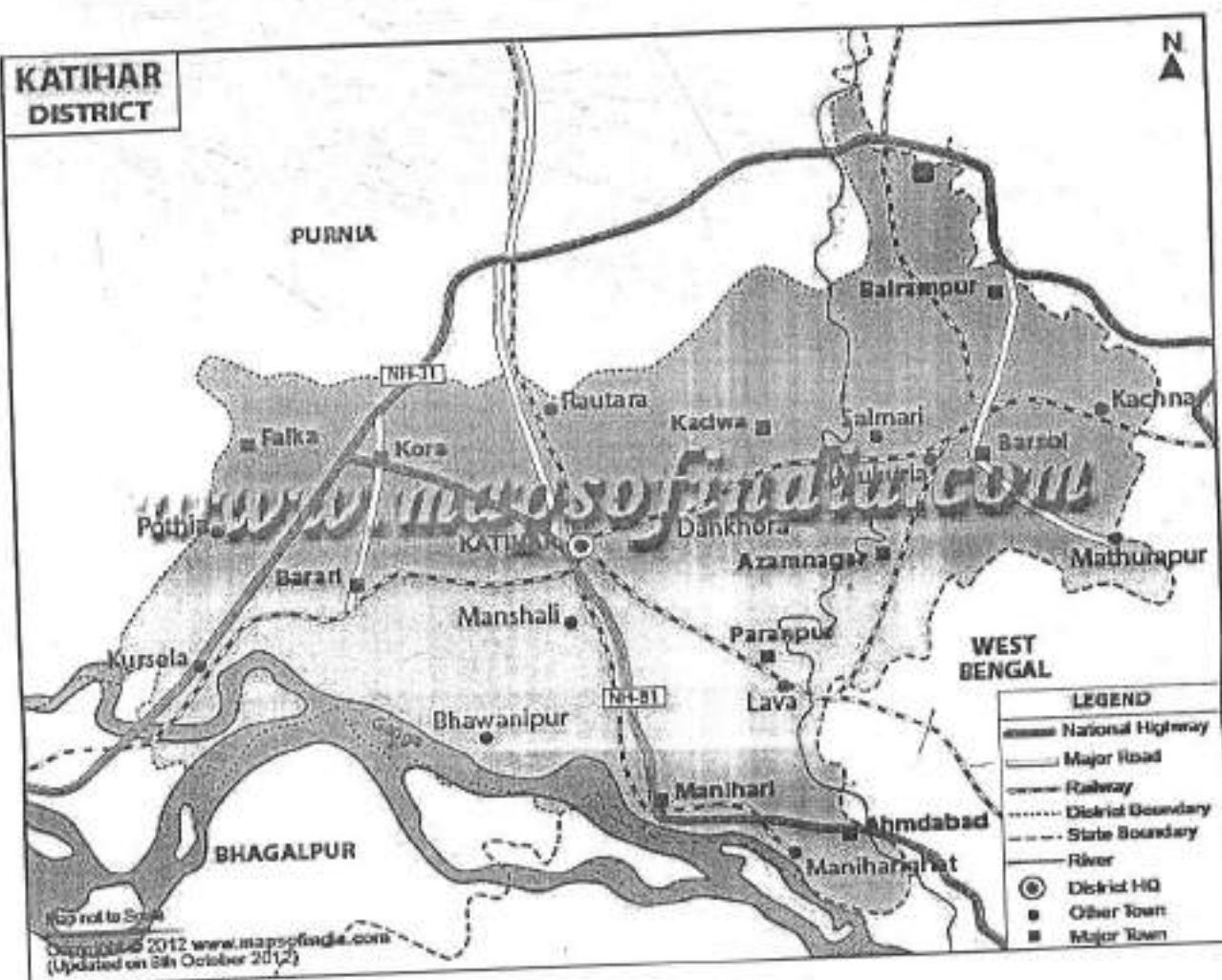
Scanned with CamScanner

PLATE01- CADASTRAL PLAN

M/s Star Bricks Field	
NAME OF PROJECT - PROPOSED MINING FOR Brick Project (Jaipura)	RQP
Khata No- 03, 1, 15	
Khasra No- 115, 133, 134, 136, 138	
Area- 3.510 Acre or 1.420 Ha	
VILLAGE- Jaipura, ANCHAL- Balrampur, DISTRICT- Muzaffarpur, Bihar	
Prepared RQP Dist. Of Mines & Geology RQP SI No. 15	Dr. Ashish Sharma Proprietor
	RQP

STAR BRICKS FIELD
Sharmakrupa
Proprietor

KATIHAR DISTRICT



Legend

BOUNDARY OF QUARY LEASE

PLATE02- LOCATION PLAN



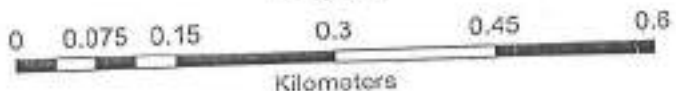
M/s Star Bricks Field	RQP
NAME OF PROJECT - PROPOSED MINING FOR Brick Project (Jaipura)	
Khata No- 03, 1, 15	
Khasra No- 115, 133, 134, 136, 138	
Area- 3.510 Acre or 1.420 Ha	
VILLAGE- Jaipura, ANCHAL -Balrampur, DISTRICT Katihar, Bihar	
APPLICANT - Mrs- Shama Khurshid W/o Md. Naushad Alam, Mouza- Dalhola Ward- Dalkhola Anchal Karamnagar District- LHHar Dinaour. Bihar	

DR. ASHISH SHARMA
Proprietor
DR. ASHISH SHARMA
Proprietor

STAR BRICKS
Shama Khurshid
Proprietor



1:5,000



Legend

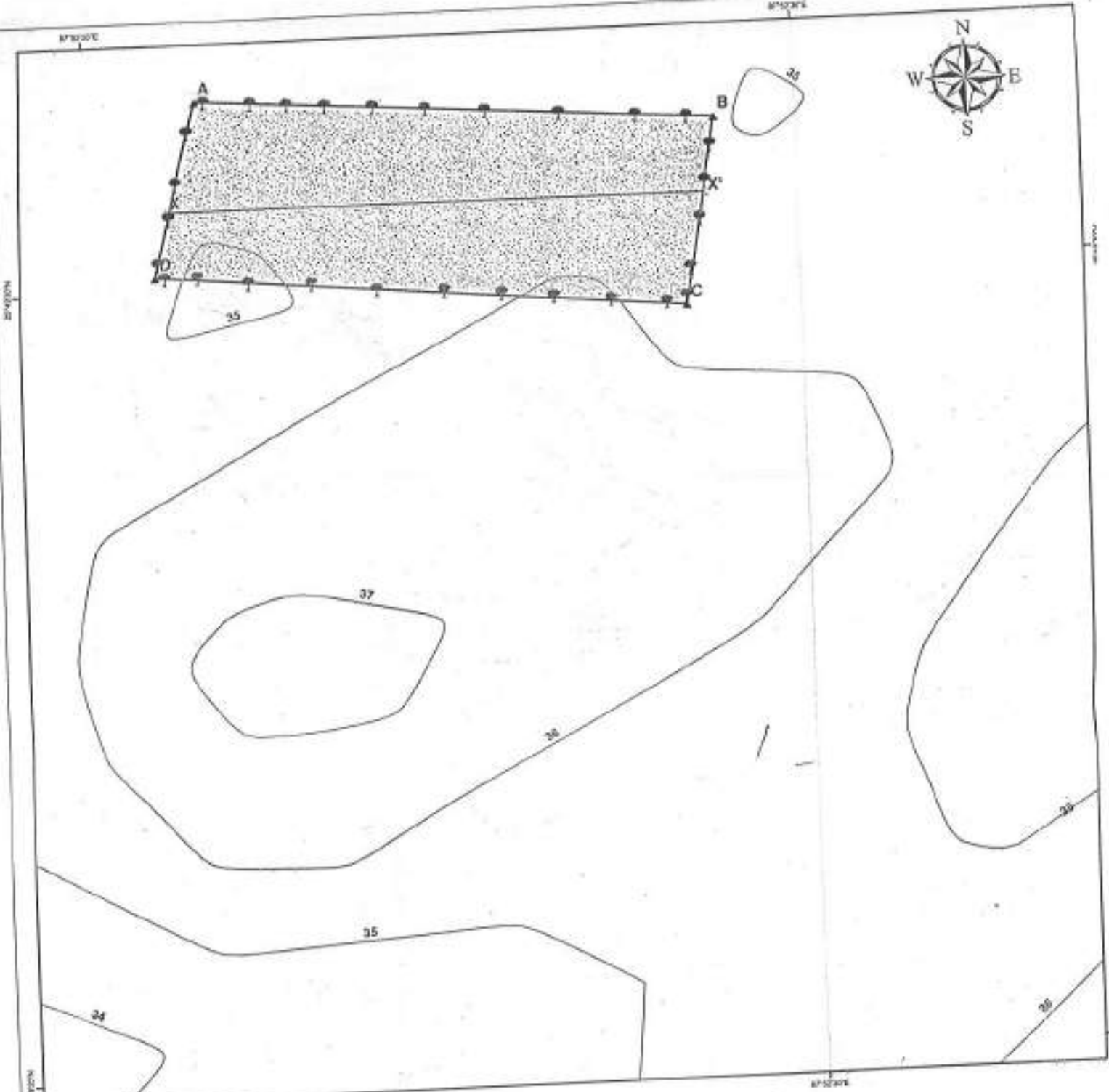
▲ BOUNDARY PILLAR

□ BOUNDARY OF QUARY LEASE

PLATE03- GOOGLE PLAN

M/s Star Bricks Field	RQP <i>Dr. Ashish Sharma</i> 11/05/2019 Dr. ASHISH SHARMA RQP
NAME OF PROJECT - PROPOSED MINING FOR Brick Project (Jaipura)	
Khata No- 03, 1, 15	
Khasra No- 115, 133, 134, 136, 138	
Area- 3.510 Acre or 1.420 Ha	
VILLAGE- Jaipura, ANCHAL -Balrampur, DISTRICT- Katihar, Bihar	
APPLICANT - Mrs- Shama Khurshid W/o Md. Naushad Alam, Mouza- Dalhola Ward- Dalkhola Anchal- Karandighi, District- Uttar Dinajpur, Bihar	

PILLAR COORDINATES		
Pillar No	Latitude	Longitude
A	N25° 49' 32.324"	E87° 52' 21.462"
B	N25° 49' 31.816"	E87° 52' 28.757"
C	N25° 49' 29.496"	E87° 52' 28.283"
D	N25° 49' 30.160"	E87° 52' 20.876"



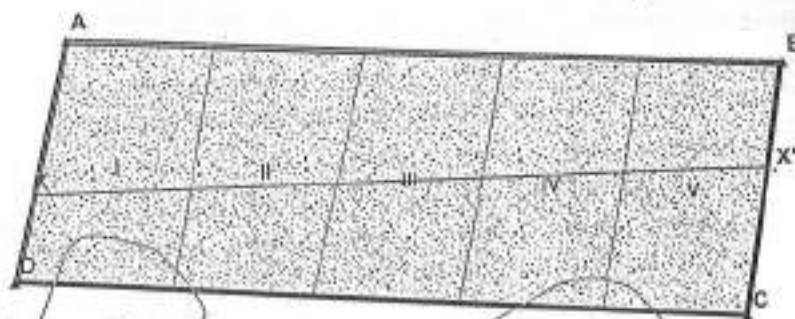
- Legend**
- PLANTATION
 - ▲ BOUNDARY PILLAR
 - SECTION LINE
 - CONTOUR
 - BOUNDARY OF QUARY LEASE
 - ▨ Soil



PLATE04- SURFACE AND GEOLOGICAL PLAN

M/s Star Bricks Field	RQP
NAME OF PROJECT - PROPOSED MINING FOR Brick Project (Jaipura)	
Khata No- 03, 1, 15	
Khasra No- 115, 133, 134, 136, 138	
Area- 3.510 Acre or 1.420 Ha	
VILLAGE- Jaipura, ANCHAL -Balrampur, DISTRICT- Katihar, Bihar	
APPLICANT - Mrs- Shama Khurshid W/o Md. Naushad Alam, Mouza- Dalkhola Ward- Dalkhola Anchal- Karandighi, District- Uttar Dinajpur, Bihar	
	<i>Dr. Ashish Sharma</i> <i>Prof. Geology</i> <i>Approved RQP Dept. Of Mines & Geology</i> <i>Govt of Bihar Approved RQP S. No 19</i> <i>Dr. ASHISH SHARMA</i> RQP

PILLAR COORDINATES		
Pillar No	Latitude	Longitude
A	N25° 49' 32.324"	E87° 52' 21.462"
B	N25° 49' 31.816"	E87° 52' 28.757"
C	N25° 49' 29.496"	E87° 52' 28.283"
D	N25° 49' 30.160"	E87° 52' 20.876"



- Legend**
- ▲ BOUNDARY PILLAR
 - SECTION LINE
 - CONTOUR
 - 1M BARRIER ZONE
 - BOUNDARY OF QUARY LEASE
 - Soil



PLATE05- YEARLY PRODUCTION PLAN

M/s Star Bricks Field
 NAME OF PROJECT - PROPOSED MINING FOR
 Brick Project (Jaipura)
 Khata No- D3, 1, 15
 Khasra No- 115, 133, 134, 136, 138
 Area- 3.510 Acre or 1.420 Ha
 VILLAGE- Jaipura, ANCHAL -Balrampur, DISTRICT.
 Katihar, Bihar
 APPLICANT - Mrs- Shama Khurshid W/o Md.
 Naushad Alam, Mouza- Dalhola Ward- Dalkhola
 Anchal- Karandighi, District- Uttar Dinajpur, Bihar

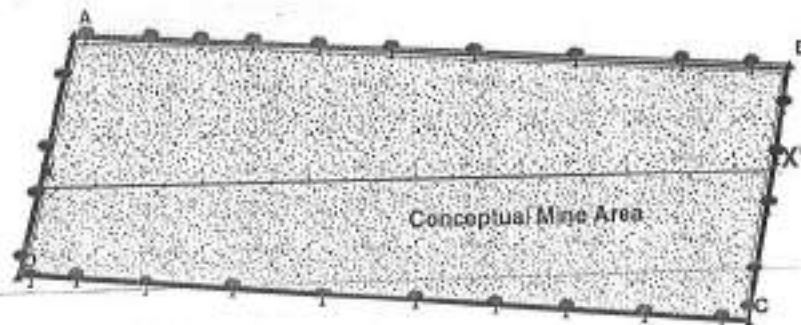
RQP

Dr. Ashish Sharma
 Ph.D. Geology
 Approved RQP Dept. Of Mines & Geology
 Govt of Bihar, RQP No. 12
 D.P. ASHISH SHARMA

RQP

PILLAR COORDINATES

Pillar No	Latitude	Longitude
A	N25° 49' 32.324"	E87° 52' 21.462"
B	N25° 49' 31.816"	E87° 52' 28.757"
C	N25° 49' 29.496"	E87° 52' 28.283"
D	N25° 49' 30.160"	E87° 52' 20.876"



- Legend**
- PLANTATION
 - BOUNDARY_PILLAR
 - SECTION_LINE
 - SOIL_BENCH
 - 1M BARRIER_ZONE
 - BOUNDARY_OF_QUARY_LEASE
 - Soil



PLATE07- CONCEPTUAL PLAN

M/s Star Bricks Field
 NAME OF PROJECT - PROPOSED MINING FOR
 Brick Project (Jalgura)
 Khata No- 03, 1, 15
 Khasra No- 115, 133, 134, 136, 138
 Area- 3.510 Acre or 1.420 Ha
 VILLAGE- Jalgura, ANCHAL -Balrampur, DISTRICT-
 Kashi, Bihar
 APPLICANT - Mrs- Shama Kharshid W/o Md.
 Naushad Alam, Mouza- Dalhola Ward- Dalhola

RGP

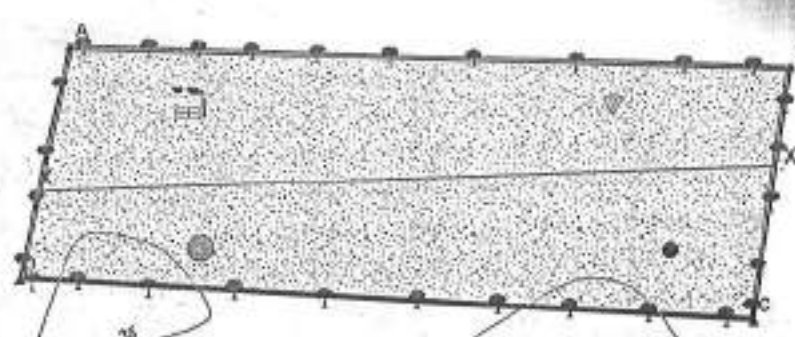
Dr. Ashish Sharma
 Dr. Ashish Sharma
 P. Geology
 Govt. of Bihar Approved RGP No 19

PILLAR COORDINATES

Pillar No	Latitude	Longitude
A	N25° 49' 32.324"	E87° 52' 21.462'
B	N25° 49' 31.816"	E87° 52' 28.757'
C	N25° 49' 29.496"	E87° 52' 28.283'
D	N25° 49' 30.160"	E87° 52' 20.876'

87°52'29"E

87°52'29"E



87°52'29"E

- Legend**
- PUMP STATION
 - AIR MONITORING STATION
 - NOISE MONITORING STATION
 - WATER MONITORING STATION
 - PLANTATION
 - BOUNDARY PILLAR
 - SECTION LINE
 - CONTOUR
 - 1M BARRIER ZONE
 - BOUNDARY OF QUARRY LEASE
 - Soil

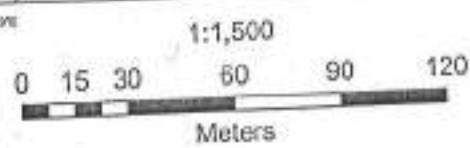


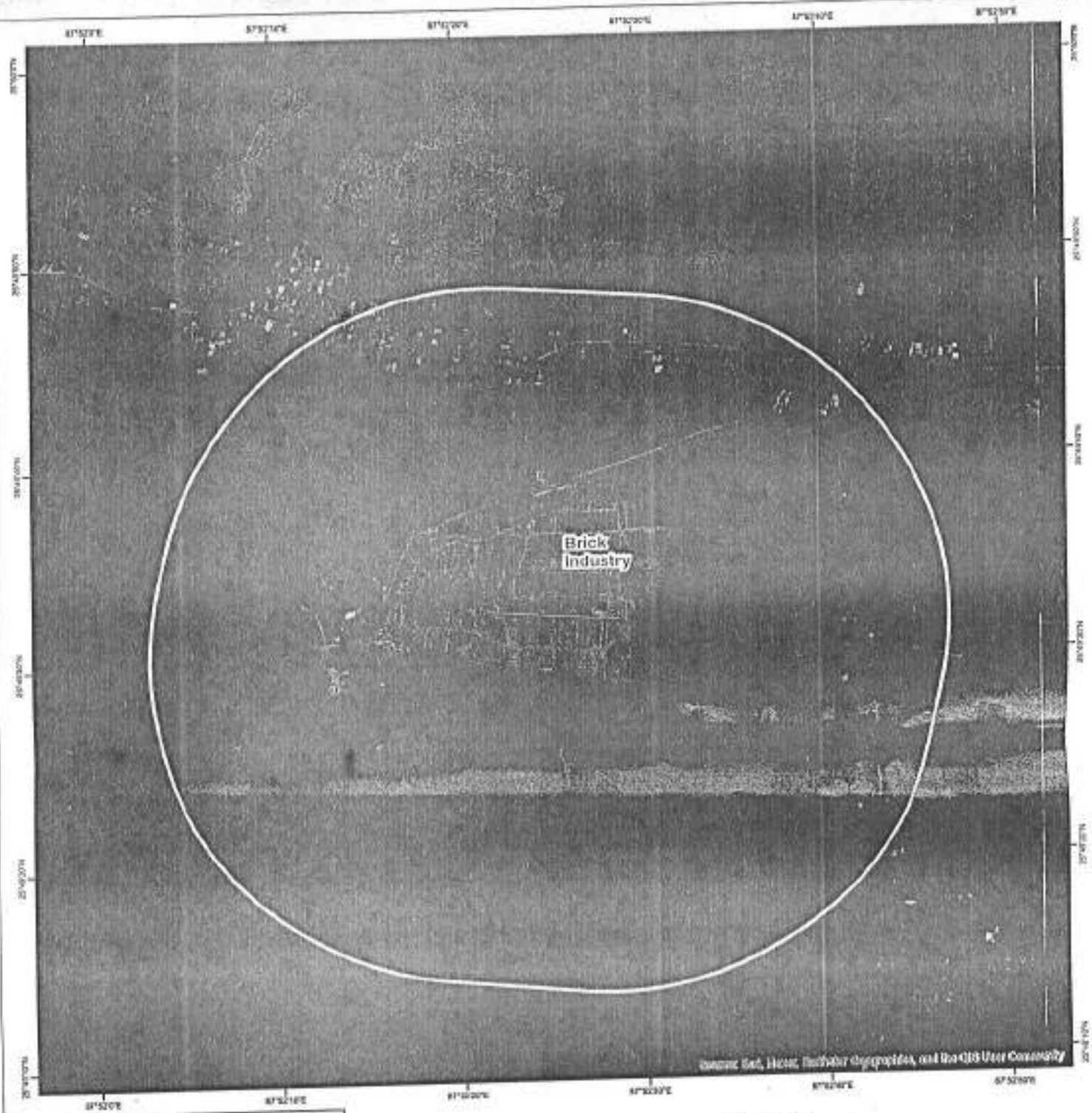
PLATE08- POLLUTION MITIGATION PLAN

M/s Star Bricks Field
 NAME OF PROJECT - PROPOSED MINING FOR
 Brick Project (Jalpara)
 Khata No- 03, 1, 14
 Khata No- 115, 123, 134, 135, 138
 Area- 3.510 Acre or 1.420 Ha
 VILLAGE- Jalpara, ANONAL- Balrampur, DISTRICT-
 Katihar, Bihar
 APPLICANT - Mrs. Shama Khurshid W/o Md.
 Murtaza Alam, Minora- Gailhola Ward- Balrampur

Dr. Ashish Sharma
 Ph.D. Geology
 Approved ROP Dept. Of Mines & Geology
 Govt of Bihar Approved ROP No. 19
 Dr. ASHISH SHARMA
 ROP

PILLAR COORDINATES

Pillar No	Latitude	Longitude
A	N25° 49' 32.324"	E87° 52' 21.462"
B	N25° 49' 31.816"	E87° 52' 28.757"
C	N25° 49' 29.496"	E87° 52' 28.283"
D	N25° 49' 30.160"	E87° 52' 20.876"



Legend

- Approach_Road
- Brick_Clin_Location
- Buffer500
- 1M_BARRIER_ZONE
- BOUNDARY OF QUARY LEASE

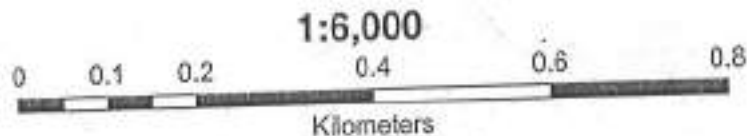


PLATE10 TRANSPORTATION & BUFFER PLAN

M/s Star Bricks Field	RDP
NAME OF PROJECT - PROPOSED MINING FOR Brick Project (Jaipura)	
Khata No- 03, 1, 15	
Khata No- 115, 133, 134, 136, 138	
Area- 3.510 Acre or 1.420 Ha	
VILLAGE- Jaipura, ANCHAL -Bairampur, DISTRICT- Katihar, Bihar	
APPLICANT - Mrs- Shama Khursid W/o Md. Naushad Alam, Mouza- Dakhola Ward- Dakhola Anchal- Karandighi, District- Uttar Dinajpur, Bihar	

Adil Shah
 and Geology
 Approved RDP Dept. Of Mines & Geology
 District Office, Dhanbad RDP No 13
 RDP

PILLAR COORDINATES

Pillar No	Latitude	Longitude
A	N25° 49' 32.324"	E87° 52' 21.462"
B	N25° 49' 31.816"	E87° 52' 28.757"
C	N25° 49' 29.496"	E87° 52' 28.283"
D	N25° 49' 30.160"	E87° 52' 20.876"