

जिला खनन कार्यालय, कटिहार

प्रेषित,

मेसर्स- भगवान गीता फिल्ड, (BGF)

प्रो0- सुमन कुमार सिंह

पिता- भगवान प्रसाद सिंह

ग्राम- सिवाना, पो0-गुरुबाजार

अंचल-बरारी, जिला-कटिहार

कटिहार, दिनांक- 15/04/2025

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

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

महाशय,

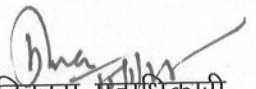
उपर्युक्त विषय के संबंध में कहना है कि कटिहार जिला के बरारी थानान्तर्गत मौजा- रोनिया, खाता-290, 342, 628 खेसरा नं0-3672, 3673, 3674, 3675, 3676 रकबा-8.33 एकड़ के भूमि में लघु खनिज साधारण मिट्टी के खनन हेतु आपके द्वारा खनन योजना अनुमोदित करने का आवेदन समर्पित किया गया।

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 58073 घन मी0 साधारण मिट्टी की उत्खनन के लिए अनुमोदित किया जाता है।
2. साधारण मिट्टी खनन की गहराई सतह से 1.5 मी0 से अधिक नहीं होगी।
3. खनन कार्य ग्राउन्ड वाटर लेवल से कम से कम 1.5 मी0 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 जाएँगे।
11. कामगारों/मजदूरों को पेयजल और सफाई संबंधी सुविधाएँ प्रदान की जाएँगी।

12. किसी उत्खनन क्षेत्र की परिधि से किसी असैनिक संरचना की दूरी कम से कम 15 मीटर रखी जाएगी।
13. राष्ट्रीय पार्कों और वन्य प्राणी अभ्यारण्य की सीमा के 01 किलोमीटर के अन्दर उत्खनन के क्षेत्र के मामले में साधारण मिट्टी के खनन/उत्खनन की अनुमति नहीं दी जाएगी।
14. खनन योजना में खनन कार्य बेंच बनाकर किया जाएगा जिसकी अधिकतम उँचाई 1.5 मी० एवं चौड़ाई कम से कम 3.0 मी० होनी चाहिए।
15. खनन कार्य के दौरान निकाले गये Top Soil को व्यस्थित रूप से एकत्रित कर रखा जाएगा, जिसे खनन कार्य समाप्त होने के उपरान्त उसी क्षेत्र में फैला दिया जाएगा।
16. खनन योजना में वाणित भूमि के स्वामिस्व 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।

Quarry Plan, EMP & Quarry Closure Plan

(Submitted under of Bihar Minor Mineral Concession (Amendment) Rule 2019)

OF

Roniya Brick Earthclay Quarry Mine

Mouza - Roniya, Anchal — Barari,
District - Katihar, State — Bihar

Khasra No. 3672, 3673, 3674, 3675, 3676 & Khata No-290, 342, 628

Lease Area — 3.371 Hect. Or 8.33 Acre (Non-Forest — 3.371 Hect.)

Lease Period - 5 Years

Plan Period - 5 Years



APPLICANT

M/s Bhagwan Gita Field (BGF)

Mr. Suman Kumar Singh

Mouza - Sivana, Guru Bazar,

Tehsil - Barari,

District - Katihar (Bihar)

Pin no. — 854104

APPROVED

M/S B. G. F. BRICKS

सुमन कुमार सिंह
Proprietor

Ashish Sharma
Dr. Ashish Sharma
Phd Geology

PREPARED BY

Dr. Ashish Sharma

Approved RQP Dept. Of Mines & Geology

Govt of Bihar Approved RQP SI No. 19

Hasib Villa, Naya Tola Line Bazar, Purnea, Bihar

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

Registration No. RQP

CONSENT LETTER FROM THE LESSEE

The plan of quarry mining in respect of Roniya Brick Earthclay Quarry Mine & Fixed Chimney Brick Plant at Mouza- Roniya, Katihar, (Bihar) for an area of 3.371 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.

M/S B. G. F. BRICKS

APPLICANT Proprietor

M/s Bhagwan Gita Field (BGF)

Mr. Suman Kumar Singh

Mouza - Sivana, Guru Bazar,

Tehsil - Barari,

District- Katihar (Bihar)

Pin no. - 854104

DATE -

PLACE: Sivana, Guru Bazar

Quarry Plan
Raniga Brick Earthclay Quarry Mine, Area: 3.371 Hect.
of M/s Bhagwan Gita Field (BGF), Katihar, Bihar

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1	Letter For Submission of Mine Plan
2	Noc of Land Owner
3	Pitwari Naksha and Khasra, B1, PII
4	Copy of lease Order
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Dr. B. G. F. BRICKS
समन कुमार सिंह
Proprietor

Signature of lessee

Dr. Ashish Sharma

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

Quarry Plan
Roniya Brick Earthclay Quarry Mine , Area: 3.371 Hect.
of M/s Bhagwan Gita Field (BGF), Katihar, Bihar

LIST OF PLATES

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M/s B. G. F. BRICKS
शुभेन कुमार सिंह
Proprietor

Signature of lessee

Dr. Ashish Sharma

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

बिहार राज्यातर्गत लघु खनिजों के खनन योजना तैयार करने हेतु एंजेसी 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 एंजेसी 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 इन्वायरटेक 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, THF- 6-20, Sector 7, Block 6, Flat 20, HIG Flat, Bahadurpur 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, Aazha , 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-Udit Singh, C/O- Sri Indrajit Kumar Singh, At & 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 Sakhar More, Near Mehta Petrol Pump, Nanpur, Gaya- 823003
5	Dr. Abdul Rahman	7870527271	Ph.D in Geology	Rs. 8,000/- (inclusive of Taxes)		B-78, P.C. Colony, Jankarbagh, Patna-800020
6	Punit Lata Mahto	9011537948 8709005622	M.Sc. (Geology)	Rs. 11,800/-	Rate per Hectare @10,000/- + GST @18% (Rs. 1800) =Rs. 11,800/-	House No.- 121, Raghav Bhawan, Kobilari, Sikandarpur, Bhagalpur - 812005
7	Sanjay Kumar	943106885	M.Sc. (Geology)	Rs. 25,000/-	Negotiable	Vastu-Santa Colony, Janakpuri, Near -St. Karen's School, Gola Road, Danapur, Patna
8	Er. Navin Kumar Sinha	7366973516	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. Sadique Alam	7091510996	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 (Piedra), District- varanasi, (U.P.) 221206									
12	Shailish Kumar Singh	9431436906	M.Sc (Applied Geology) M.Sc. Tech (Remote Sensing)	Rs. 25,000/-		B-8, Franchi-Kanishka Apartment, bazaar Samitee Road, PO- Rajendra Nagar, District- Patna, Bihar-16									
13	Anecon Lab Pvt. Ltd.	9372404924	B.E. Computer Science & Engineering	Rs. 31,860/-	Rate per Hectare @27,000/- + GST @18% (Rs. 4850) =Rs. 31,860/-	60, Bajiprabhu 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/o 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+P5-Doranda, Ranchi-834002, 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, Kumbhar-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, Shivapuram Road -2, Bikanipura, 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.- Deokhra, P.S.- Goh, Dist.- Aurangabad (Bihar) - 824114									
19	Indus Mining & Environment 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, Baily 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 Bazar, 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, Chiriyia Tard, Postal Park, Patna-800001
23	Ashok Kumar Singh	8766859804	Mining Engineer	Rs. 8,000/-		C/o Shri Ram Prasad Singh, Mohalla - Meghal Kuan, P.O. - Soharaal, P.S. - Soharaal, Dist. - Nalanda, Bihar- 803118
24	Sandeep Kumar	8116253120	M.Sc. (Applied Geology)	Rs. 10,000/-		Anpurna Bhawan, C/O Ravi Kishan, Sundar Nagar, Lohia Path, Jagdeo Path, Patna - 800014 (Bihar)
25	United Exploration India Pvt. Ltd.	9431208782 9914904369	Required Qualification of the employees attached	Rs. 5,000/- (inclusive all Taxes)		301,2nd Floor, Sahid Rajendra Singh Complex, Anichabad, 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, Sheikhpura Patna -800014
27	Asenso Enviro Pvt. Ltd.	9204207920	Required Qualification of the employees attached	Rs. 4,750/- (inclusive all Taxes)		401,4th Floor, Mangal Market, Raja Bazar, Sheikhpura, 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, Gure 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, Gure 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. (Excluded GST) OR As decided by the Department of Mines & Geology, Govt. of Bihar	103, Bhagwati kund apartment, Road No. - 30, Anand vihar Colony, Sakinaka, 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, Murya Path, Bailey Road, P.O.-B.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	Indinine Pvt. Ltd.	9433040119	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	7296019668	Bachelor of Architecture	Rs. 3,500/-		South of Madhuban Housing complex, Malahi Pakdi, Kankarbagh-800000
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 Multi Nickeran, 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 उपरान्त विभागीय समिति द्वारा सर्वसम्मति से खनन योजना हेतु देय राशि प्रति खनन योजना अधिकतम ₹30,000/- (तीस हजार) रू0 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।

ह0/- स0आ0वि0स0, सदस्य
ह0/- स0नि0 (मु0), सदस्य
ह0/- अवर सचिव, सदस्य
ह0/- उप निदेशक, पटना अंचल, पटना सदस्य
ह0/- उप निदेशक (मु0), सदस्य
ह0/- अपर सचिव-सह-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 अपर सचिव

P.T.O.

ज्ञापक:- 3825 / एम०, दिनांक- 07/11/19

प्रतिलिपि:- माननीय मंत्री के आप्त सचिव/प्रधान सचिव के प्रधान आप्त सचिव/निदेशक
कोषांग/उप निदेशक (मु०)/सहायक निदेशक (मु०)/खनिज विकास
पदाधिकारी (मु०) को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

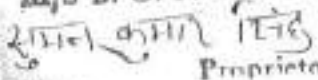
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21/11/19

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सरकार के अवर सचिव

Quarry Plan
Rouya Brick Earthclay Quarry Mine , Area: 1.371 Hect.
of M/s Bhagwan Gita Field (BGF), Katihar, Bihar

CHAPTER - 1
GENERAL

(a)	Name of Applicant	M/s Bhagwan Gita Field (BGF)
	Mouza	Sivana, Guru Bazar
	Anchal	Barari
	District	Katihar
	State	Bihar
	PIN code	854104
(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 government	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).	-

M/s B. G. F. BRICKS

 Proprietor

Signature of lessee

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 Govt of Bihar Approved RQP Sl No. 19
 Signature of RQP Page 1

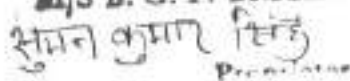
CHAPTER - 2
LOCATION

A. Detail of the Lease Area :

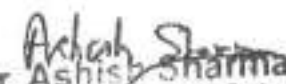
State	Bihar				
District	Katihar				
Taluka	Barari				
Village	Roniya				
Khasra No.	3672,3673,3674,3675,3676 & Khata No-290, 342, 628				
Lease area (hectares)	3.371 Hect.				
Compartment number if the area is recorded to be in forest (please specify whether protected, reserve etc.)	Not Applicable				
Ownership/Occupancy	3672,3673,3674,3675,3676 & Khata No-290, 342, 628		Private Land		
Existence of public Road/ railway line, if any, nearby and approximate distance	National Highway		NH 31 is 9.0 km at North		
	State Highway		Road at 15.0 km.		
	Public Road		1.00 Km in South		
	Railway Line		3.0 Km in West		
Toposheet No with Latitude/ Longitude	Toposheet No.				
Boundry Point	Latitude	Longitude	Boundry Point	Latitude	Longitude
A	25° 29' 27.395" N	87° 24' 10.196" E	E	25° 29' 20.593" N	87° 24' 15.817" E
B	25° 29' 27.434" N	87° 24' 13.286" E	F	25° 29' 21.926" N	87° 24' 6.534" E
C	25° 29' 25.068" N	87° 24' 15.263" E	G	25° 29' 24.440" N	87° 24' 5.784" E
D	25° 29' 22.932" N	87° 24' 16.204" E	H	25° 29' 23.842" N	87° 24' 10.369" E
Land Use Pattern (Forest, agricultural, grazing, barren, etc.)	(i) Forest	Forest (specify)	Area (ha)- Nil		
	(ii) Non - forest	(i) Private Land	3.371 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)	
3672,3673,3674,3675,3676 & Khata No-290, 342, 628	3.371	8.33	Private Land

M/S B. G. F. BRICKS

 Signature of lessee

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 Govt. of Bihar
 RQP Sl. No. 19
 Page 2

- 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 31 is 9.0 km at North
2.	State Highway No.	Road at 15.0 km.
3.	PMGSY/ CMGSY	None
4.	Other path way	-
5.	Any water body	River at 4.0 Km
6.	Any residential educational area	Residential Area - Village at 1.0 km Educational Area - 1.0 Km
7.	Any kind of bridge	0
8.	Hospital/ Historical place	Hospital 4.0 Km. Historical - No

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Proprietor

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Govt of Bihar
Signature of RQP Page 2

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 Earth clay 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 32m AMSL while the lower side at South part of lease area is 31m AMSL. The applied area is devoid of any vegetation.

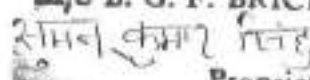
Geology :

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 Rohtas 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.

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Govt of Bihar Approved RQP SI No. 19
Signature of RQP Page 4

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

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Govt of Bihar Approved RQP Si No. 19
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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

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Govt of Bihar
Signature of RQP Page 5 of 5

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 :-

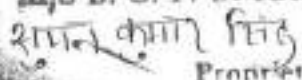
S.n.	Particular	Details
1	Lease area	3.371 Hectare (hect.)
2	Area already excavated (1)	0.00 sqm.
3	Depth of mine at above excavated area	0.00 Meter (m)
4	Area already excavated (2)	0.00 sqm.
5	Depth of mine at above excavated area	- m
6	Balance Fresh area in the mine (3)	33710.00 sqm.
7	Proposed depth of excavation from surface level	2.00 m
8	Outer Length of mine boundary	953.63 m
9	Inner Length of mine Boundary	1001.52 m
10	Average Length of Mine Boundary	977.57 m
11	Width of Mine Boundary	1.00 m
12	Total Area covered in Mine Boundary	977.57 sqm.
13	Area for Chimey/ Killen	NIL sqm.
14	Area for Storage	NIL sqm.

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

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

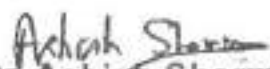
A =	33710.0 m ²	X	2.0 m	=	67420.00 m ³
A+B+C =	Total			=	67420.00 m ³

Total geological reserve comes to 67420 cum

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 Proprietor

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 Govt. of Rajasthan
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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): -

Area = Length x Width

$$\begin{aligned} &= 977.57 \text{ m} \times 1.0 \text{ m} = 977.57 \text{ m}^2 \\ &= 977.57 \text{ m}^2 \times 2.0 \text{ m} = 1,955.15 \text{ m}^3 \end{aligned}$$

$$\text{Total reserve Blocked in mine boundary (a)} = 1,955.15 \text{ m}^3$$

$$\text{b) Reserve Blocked in Benches & Slope Maintenance (b)} = 939.13 \text{ m}^3$$

c) Other Blockage

$$\text{i) Reserve blocked under Fix Chimney/Killen} = 0.00 \text{ m}^3$$

$$\text{Total Blocked Reserve (a + b + c)} = 2894.28 \text{ m}^3$$

MINEABLE RESERVE

Mineable Reserves = (Geological reserves - Blocked reserve)

$$= 67420.0 \text{ m}^3 - 2894.28 \text{ m}^3$$

$$= 64525.7 \text{ m}^3$$

RECOVERABLE RESERVE

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

$$= 64525.7 \text{ m}^3 - (64526 \text{ m}^3 \times 10\% = 6452.6)$$

$$= 58073.1 \text{ m}^3$$

$$\text{Total Recoverable reserves} = 58073.15 \text{ m}^3$$

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B.Tech Geology
Approved RQP Desk
Govt of Uttar Pradesh
Signature of RQP Page 8

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 Gaity, 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.

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Signature of lessee

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Approved RQP Dept. Geol.
Govt of Bihar Approved
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S. No.	Particulars	Detail
1	Number of brick	100000 no's
2	Weight of One Brick	3.00 Kg
3	Total Weight	300 MT

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Ashish Sharma
Dr. Ashish Sharma
 Phd Geology
 Improved RQP Dept. of Geology
 Signature of RQP Page 10/19

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 6546.49 sqm area. Quarry mine will be developed with bench of 1.00m height x 1.00 m width till RL of 30 m above MSL for getting required production of 11614.63 cum clay, for getting 4678405 numbers of raw bricks.

However after taking 5% of damage and subgrade production, 4444485 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 6546.49 sqm area. Quarry mine will be developed with bench of 1.00m height x 1.00 m width till RL of 30 m above MSL for getting required production of 11614.63 cum clay, for getting 4678405 numbers of raw bricks.

However after taking 5% of damage and subgrade production, 4444485 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 6546.49 sqm area. Quarry mine will be developed with bench of 1.00m height x 1.00 m width till RL of 30 m above MSL for getting required production of 11614.63 cum clay, for getting 4678405 numbers of raw bricks.

However after taking 5% of damage and subgrade production, 4444485 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 6546.49 sqm area. Quarry mine will be developed with bench of 1.00m height x 1.00 m width till RL of 30 m above MSL for getting required production of 11614.63 cum clay, for getting 4678405 numbers of raw bricks.

However after taking 5% of damage and subgrade production, 4444485 numbers of bricks will be produced as saleable bricks.

M/S B. G. F. BRICKS
शुभन कुमार सिंह
Proprietor

Signature of lessee

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iv) IN FIFTH YEAR OF THIS PLAN PERIOD -

In this plan period area of production area will be 6546.49 sqm area. Quarry mine will be developed with bench of 1.00m height x 1.00 m width till RL of 30 m above MSL for getting required production of 11614.63 cum clay, for getting 4678405 numbers of raw bricks.

However after taking 5% of damage and subgrade production, 4444485 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

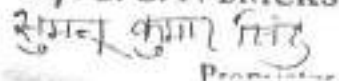
Yrs.	Bench	Soil Bench 1	Soil Bench 2	Mine Waste 10% (cum.)	Soil + Fly Ash = Clay Mix for Raw Brick (cum)	Strippin g Ratio	Gross Raw Brick Producti on (in Nos)	Rejecte d Bricks in Nos. (5%)	Salable Bricks Producti on in Nos.
1 st Year	Area of excavation(sqm) Av. bench Height (m) Volume (cum) Production (cum) O.B./Waste (cum) (10%) Av. Reduced level(m)	6546.5 1.0 6546.5 5891.8 654.5 31.0	6358.7 1.0 6358.7 5722.8 635.9 30.0	#####	Clay = 11614.63	1: 0.11	4678405	233920	4444485
2 nd Year	Area of excavation(sqm) Av. bench Height (m) Volume (cum) Production (cum) O.B./Waste (cum) (10%) Av. Reduced level(m)	6546.5 1.0 6546.5 5891.8 654.6 31.0	6358.7 1.0 6358.7 5722.8 635.9 30.0	#####	Clay = 11614.63	1: 0.11	4678405	233920	4444485
3 rd Year	Area of excavation(sqm)	6546.5	6358.7	#####	Clay =	1: 0.11	4678405	233920	4444485

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Year	Av. bench Height (m)	1.0	1.0		11614.63			
	Volume (cum)	6546.5	6358.7					
	Production (cum)	5891.8	5722.8					
	O.B./Waste (cum) (10%)	654.6	635.9					
	Av. Reduced level(m)	31.0	30.0					
4 th Year	Area of excavation(sqm)	6546.5	6358.7	#####	Clay = 11614.63	1: 0.11	4678405	233920 4444485
	Av. bench Height (m)	1.0	1.0					
	Volume (cum)	5891.8	5722.8					
	Production (cum)	654.6	635.9					
	O.B./Waste (cum) (10%)	654.6	635.9					
	Av. Reduced level(m)	31.0	30.0					
5 th Year	Area of excavation (sqm)	6546.5	6358.7	#####	Clay = 11614.63	1: 0.11	4678405	233920 4444485
	Av. bench Height (m)	1.0	1.0					
	Volume (cum)	6546.5	6358.7					
	Production (cum)	5891.8	5722.8					
	O.B./Waste (cum) (10%)	654.6	635.9					
	Av. Reduced level(m)	31.0	30.0					

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Production Plan for Second Five years - Not Applicable.

Minable reserves and anticipated life of the quarry:

A)	Estimated recoverable reserves	58073.15 cum.
B)	Average rate of production per year during Five year plan	11614.63 cum. of clay or 4678405 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	1290.51	701.76
2nd Year	1290.51	701.76
3rd Year	1290.51	701.76
4th Year	1290.51	701.76
5th Year	1290.51	701.76
Total	6452.57	3508.80

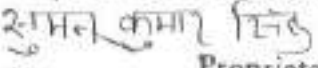
Conceptual Plan annexed as Plate No. - 7

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	3.273	-	3.273
Area under Statutory Boundary	0.098	-	0.098
Dumping (soil)	0.098	-	0.098
Afforestation	0.098	-	0.098
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	<u>Haulage and Transporting.</u>	Tractors	4	4.5	Mahindra	Diesel	58
2	<u>Miscellaneous:</u>	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, 78 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	4678405	12	561.41
2	2nd Year	4678405	12	561.41
3	3rd Year	4678405	12	561.41
4	4th Year	4678405	12	561.41
5	5th Year	4678405	12	561.41

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:

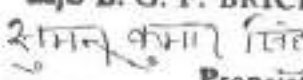
Employment strength will be as under as it stood presently:-

- | | | |
|--------------------------|---|---|
| (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, 78 labours per day will be required. |

= 78 labours per day.

Tot = 84 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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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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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	3.371	-	-	3.371	3.371
B. Quarrying & allied	-	-	-	-	-
1. Area under pits	3.273	-	-	-	3.273
2. Area for dumping	0.098	-	-	-	0.098
3. Area for road	-	-	-	-	-
4. Area for Infrastructure	-	-	-	-	-
5. Plantation	0.098	-	-	-	0.098
6. Storage of Mineral	-	-	-	-	-
7. Storage of fines	-	-	-	-	-
8. Processing unit	0.000	-	-	-	-
9. Unused area	-	-	-	-	-

Environment Management Plan annexed as Plate No. - B

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 Just 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 ltr)	Number of working Days	Water Needed for Clay Molding per day (in KLD)
1 st	4,678,405	0.25	240	4.87
2 nd	4,678,405	0.25	240	4.87
3 rd	4,678,405	0.25	240	4.87
4 th	4,678,405	0.25	240	4.87
5 th	4,678,405	0.25	240	4.87

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B) Water Balance :

Year	Mine Site		Bricks		Domestic		Total Water Requirement in KLD
	Dust	Green	Clay	Clay	Drinking	Other	
1 st	2	1	Nil	4.87	2.5	-	10.37
2 nd	2	1	Nil	4.87	2.5	-	10.37
3 rd	2	1	Nil	4.87	2.5	-	10.37
4 th	2	1	Nil	4.87	2.5	-	10.37

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.

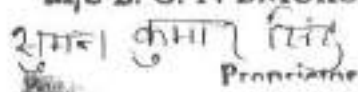
iv) Noise & Vibration:

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.

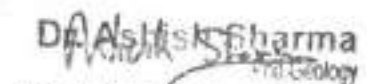
Mitigation Measures:

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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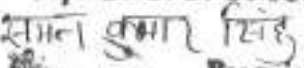
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Year	Proposed Site	Species	No. of Sapling
1st Year	All along lease boundary	Seesam, Bargad, Neem, Aam, Pipal etc.	160

B) Budgetary arrangement for environment monitoring management :

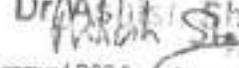
Total Rs. 30000/- will be utilized annually for environment management like Plantation, Water sprinkling on transport road, Water sprinkling on stock yard etc. The details of expenditure are given in table below:

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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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.

M/S B. G. F. BRICKS
समन्त कुमार सिंह
Proprietor

Signature of lessee

Dr. Ashish Sharma Registration No. RQP

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

Signature of RQPPage 29

CHAPTER-11
QUARRYING CLOSURE PLAN

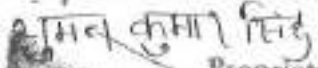
i) Introduction :

M/s Bhagwan Gita Field (BGF) Mr. Suman Kumar Singh of village Sivana, Guru Bazar tehsil Barari district Katihar (Bihar) Pin No. 854104. The lease is already sanctioned over an area of 3.371 Hect. at village Roniya 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		Barari			
Village		Roniya			
Khasra No.		3672,3673,3674,3675,3676 & Khata No-290, 342, 628			
Lease area (hectares)		3.371 Hect.			
Compartment number if the area is recorded to be in forest (please specify whether protected, reserve etc.)		Not Applicable			
Ownership/Occupancy		3672,3673,3674,3675,3676 & Khata No-290, 342, 628		Private Land	
Existence of public Road/ railway line, if any, nearby and approximate distance		National Highway		NH 31 is 9.0 km at North	
		State Highway		Road at 15.0 km.	
		Public Road		1.00 Km in South	
		Railway Line		3.0 Km in West	
Toposheet No with Latitude/ Longitude		Toposheet No. 0			
Boundry Point	Latitude	Longitude	Boundry Point	Latitude	Longitude
A	25° 29' 27.395" N	87° 24' 10.196" E	E	25° 29' 20.593" N	87° 24' 15.817" E
B	25° 29' 27.434" N	87° 24' 13.286" E	F	25° 29' 21.926" N	87° 24' 6.534" E
C	25° 29' 25.068" N	87° 24' 15.263" E	G	25° 29' 24.440" N	87° 24' 5.784" E
D	25° 29' 22.932" N	87° 24' 16.204" E	H	25° 29' 23.842" N	87° 24' 10.369" E
Land Use Pattern (Forest, agricultural, grazing, barren, etc.)			(i) Forest	Forest (specify)	Area (ha)- Nil
			(ii) Non-forest	(i)	3.371 Hect. Area.
			Waste Land-	(ii) Grazing land,	Nil
				(iii) Agriculture	Nil
				(iv) barren land	Nil
				(v) others (specify)	Nil

M/S B. G. F. BRICKS

Proprietor

Signature of lessee

Dr. Ashish Shamra Registration No. RQP

Dr. Ashish Shamra
PhD Geology
Approved RQP Dept. of Mines & Geology
Govt of Bihar Approved RQP SI No. 19

Signature of RQPPage 30

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	3.371	-	-	3.371	3.371
B. Quarrying & allied	-	-	-	-	-
1. Area under pits	3.273	-	-	-	3.273
2. Area for dumping	0.098	-	-	-	0.098
3. Area for road	-	-	-	-	-
4. Area for Infrastructure	-	-	-	-	-
5. Plantation	0.098	-	-	-	0.098
6. Storage of Mineral	-	-	-	-	-
7. Storage of fines	-	-	-	-	-
8. Processing unit	0.000	-	-	-	-
9. Unused area	-	-	-	-	-

iii) Mining /Quarrying Method:

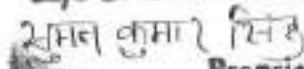
Already discussed in quarry plan, Please refer chapter 5 of the quarry plan.

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:

M/S B. G. F. BRICKS

Proprietor

Signature of lessee

Dr. Ashish Shamra Registration No. RQP

Dr. Ashish Shamra
 Ph.D. Geology
 Approved RQP Desk. Of Mines & Geology
 Govt of Bihar Approved RQP Sl No. 19
 Signature of RQP

Page 31

Applicant:

M/s Bhagwan Gita Field (BGF)
Mauza - Sivana, Guru Bazar
Anchal - Barari
District - Katihar
State - Bihar
PIN code - 854104
Phone -

Status: Private Individual

M/S B. G. F. BRICKS
Bhagwan Gita Field
Proprietor

Registered Qualified Person:

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

M/S B. G. F. BRICKS
Bhagwan Gita Field
Proprietor

Signature of lessee

Dr. Ashish Sharma Registration No. RQP

Dr. Ashish Sharma
Phd Geology
Approved RQP Dept. Of Mines & Geology
Govt. of Bihar Approved RQP Sl No. 19
Signature of RQP Page 32

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.

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

A =	33710.0 m ²	X	2.0 m	=	67420.00 m ³
A+B+C =	Total			=	67420.00 m ³

Total geological reserve comes to 67420 cum

MINERAL BLOKAGE

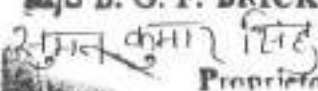
a) Reserve Blocked in Mine Limit - Blockage in barrier (1 meter of berm left due to compliance of guidelines of MOEF): -

Area = Length x Width

=	977.57 m	X	1.0 m	=	977.57 m ²
=	977.57 m ²	X	2.0 m	=	1,955.15 m ³

Total reserve Blocked in mine boundary (a) = 1,955.15 m³

b) Reserve Blocked in Benches & Slope Maintenance (b) = 939.13 m³

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Proprietor

Signature of lessee

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c) Other Blockage

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

Total Blocked Reserve (a + b + c) = 2894.28 m³

MINEABLE RESERVE

Mineable Reserves = (Geological reserves - Blocked reserve)

= 67420.0 m³ - 2894.28 m³

= 64525.7 m³

RECOVERABLE RESERVE

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

= 64525.7 m³ - { 64526 m³ x 10% = 6452.6 }

= 58073.15 m³

Total Recoverable reserves = 58073.15 m³

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.

M/S B. G. F. BRICKS
सुमन शर्मा लिमिटेड
Proprietor

Signature of lessee

Dr. Ashish Shamra Registration No. RQP

Ashish Shamra
Dr. Ashish Shamra
B.Tech. in Geology
Approved RQP
Govt of Bihar Regd. No. RQP/13
Signature of RQP

Page 34

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 160 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 Manrgement :**

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-

M/S B. G. F. BRICKS
समर कुमार सिंह
Proprietor

Signature of lessee

Dr. Ashish Sharma Registration No. RQP

Dr. Ashish Sharma
Approved RQP
Geology
Geology

Signature of RQP Page 35

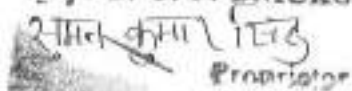
To prevent air pollution the following corrective steps will be taken during mining:

- 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.

M/S B. G. F. BRICKS


Proprietor

Signature of lessee

Dr. Ashish Sharma Registration No. RQP


Phd. Geology
M. Sc. Geology
Approved RQP Reg. No. RQP/2019/10

Signature of RQP Page 36

- 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.

$$= 25000 \times 3.371 \text{ Hect.}$$

$$= 100000$$

Total financial assurance is Rs. 100000

Progressive Quarry Closure Plan annexed as Plate No. - 6

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M/S B. G. F. BRICKS
सुभाष कुमार सिंह
Proprietor

Signature of lessee

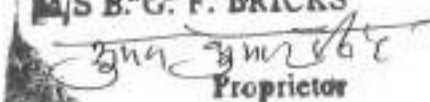
Dr. Ashish Shamra Registration No. RQP

Ashish Sharma
Dr. Ashish Sharma
Phd Geology
Approved RQP
Signature of RQP

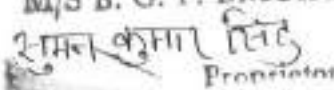
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CERTIFICATE FROM APPLICANT

- 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)
M/S B. G. F. BRICKS

Proprietor
M/s Bhagwan Gita Field (BGF)
Mauza - Silvana, Guru Bazar
Anchal - Barari
District - Katihar (Bihar)
PIN code - 854104

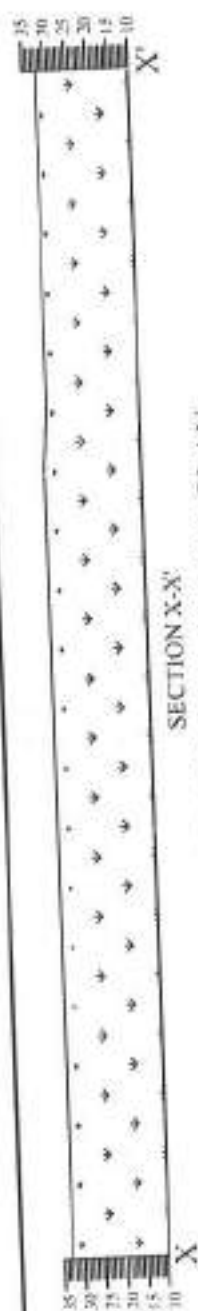
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M/S B. G. F. BRICKS

Proprietor

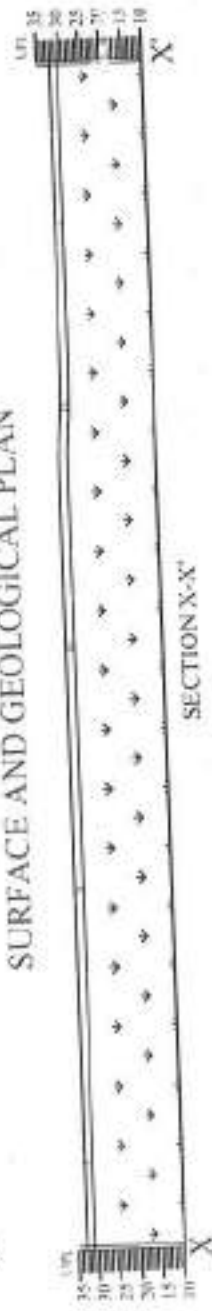
Signature of lessee

Dr. Ashish Sharma Registration No. RQP


Dr. Ashish Sharma
Ph.D. Geology
Approved RQP Examiner, Geology
Govt of Bihar Approved RQP
Signature of RQP Page 38



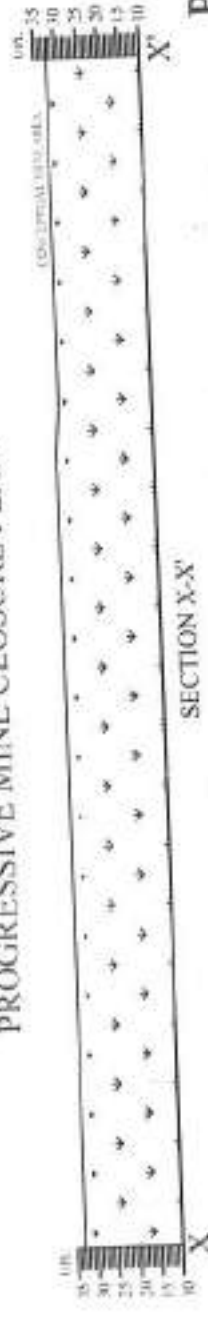
SECTION X-X'
SURFACE AND GEOLOGICAL PLAN



SECTION X-X'
YEARLY PRODUCTION PLAN



SECTION X-X'
PROGRESSIVE MINE CLOSURE PLAN



SECTION X-X'
CONCEPTUAL PLAN

Sr. No.	PARTICULARS	SYMBOL
1	BOUNDARY OF QUARRY LEASE	
2	1 M BARRIER ZONE	
3	SECTION LINE	— — — — —
4	SOIL	• • • • •

PLATE 09- CROSS SECTION PLAN

RQP

Dr. Ashish Sharma
PhD Geology
Approved RQP Divt. Of Mines & Geology
Govt of Bihar Approved RQP SI No. 19
Dr. Ashish Sharma

M/s Bhagwan Gita Field (BGF)

NAME OF PROJECT - PROPOSED MINING FOR

Brick Project (Roniya)

Khata No- 290, 342, 628

Khasra No- 3672, 3673, 3674, 3675, 3676

Area- 8.33 Acre

Mouza- Roniya, ANCHAL -Barani, DISTRICT-

Katihar, Bihar

APPLICANT - Suman Kumar Singh S/o Late

Bhagwan Prasad Mehta, Add. - Mouza- Sivana,

Guru Bazar, ANCHAL -Barani, DISTRICT- Katihar,

Bihar

भारतीय गैर न्यायिक INDIA NON JUDICIAL

एक हजार रुपये
रु.1000

ONE THOUSAND RUPEES

Rs.1000

बिहार BIHAR

भारतीय गैर न्यायिक

11/12/2024

लीज एकरारनामा -सह- शपथ पत्र

प्रथम पक्ष :- (1) तनीशा कुमारी पति-निशान्त

(2) जय प्रकाश पिता-स्व० जगदेव प्रसाद

(3) निशान्त पिता-जय प्रकाश

सभी ग्राम-अशोकपुरी कालोनी पोस्ट-पटना
थाना-पटना, अंचल-पटना, जिला-पटना।

द्वितीय पक्ष :-मेसर्स भगवान गीता फिल्ड (बी.जी.एफ.)

प्रो० सुमन कुमार सिंह पिता-स्व०

भगवान प्रसाद मेहता, ग्राम-शिवाना

पोस्ट-गुरु बाजार, थाना-बरारी,

अंचल-बरारी, जिला-कटिहार।

लेख्य का प्रकार :- लीज एकरारनामा -सह- शपथ पत्र।

मुद्दत :- 5 वर्ष

अवधि:- आज दिनांक-19.12.2024 से 18.12.2029

हम सभी शपथकर्तागण (प्रथम पक्ष) उक्त पते का स्थाई निवासी है। संयुक्त रूप से शपथपूर्वक एकरार करते हैं कि हमलोग अपनी जमीन मेसर्स भगवान गीता फिल्ड (बी.जी.एफ) प्रो० सुमन कुमार सिंह को 5 वर्ष के लिए मिट्टी कटाई की सहमति निम्नलिखित शर्तों पर दे रहे हैं।

1. बतौर मुआवजा प्रति वर्ष प्रति एकड़ 15000 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।

मिट्टी कटाई के लिए दिए गए जमीन का विवरण निम्नलिखित है :-

M/S B. G. F. BRICKS
सुमन कुमार सिंह
Proprietor

जिला-कटिहार, अंचल-बरारी, मौजा-रौनियों

मौजा	खाता	खेसरा	रकबा
रौनियों	290, 342, 628,	3672, 3673, 3674, 3675, 3676,	8.33 डी0

शपथ पत्र में कही गई सारी बातें सही एवं सत्य है।

प्रथम पक्ष का ह0

द्वितीय पक्ष का ह0

1. त्रितीया कुमारी
2. जरा प्रकार
3. निशान्त

M/S B. G. F. BRICKS
शुभन कुमार सिंह
Proprietor

M/S B. G. F. BRICKS
शुभन कुमार सिंह
Proprietor

राजस्व एवं भूमि सुधार विभाग, बिहार

सरकार

प्रपत्र-XIV ख
(देखें नियम-10)

लगान रसीद

ऑनलाइन

Running Unique No.: 26072400290168751253
(Receipt No.)

जिला :- Katihar

अंचल :- Barari

हल्का :- रौनिया

मौजा :- रौनिया

जमाबंदी संख्या :-

भाग वर्तमान :- 22

मौजा/धाना संख्या :- 220

पृष्ठ संख्या :- 62

कंप्यूटरीकृत जमाबंदी संख्या :- 201115300149691

जमाबंदी रैयत का नाम :- तनिशा कुमारी

पता :- अशोकपुरी कॉलोनी

अभिभावक का नाम :- निशान्त

खाता संख्या

290, 342, 342, 342

खेसरा संख्या

3672, 3674, 3673, 3673

रकबा/डिसिगित

0 एकड़ 143 डिसिमील 0 हेक्टर

साताना मांग(बकाया और वर्तमान) चालू वित्तीय वर्ष का

वित्तीय वर्ष	साताना दर	बकाया	वर्तमान	सूद	कुल	अभियुक्ति(बकाया का वर्ष कब से कब तक)
जमाबंदी लगान	200.00	200.00	200.00	0.00	400.00	2023-2024 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	290.00	290.00	290.00	0.00	580.00	2023-2024 से 2024-2025
कुल	490.00	490.00	490.00	0.00	980.00	2023-2024 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) अभियुक्ति
लगान	200.00	200.00	400.00	2023-2024 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	290.00	290.00	580.00	2023-2024 से 2024-2025
कुल	490.00	490.00	980.00	2023-2024 से 2024-2025

कुल बकाया-980.00

वसूल की गयी राशि शब्दों में- Nine Hundred Eighty Rupees

तिथि- 26-07-2024



यह एक कम्प्यूटर जनित प्रति है।

किसी भी प्रकार की अशुद्धियों के लिए सम्बन्धित अंकाधिकारी से संपर्क करें।

M/S B. G. F. BRICKS

रामन कुमार सिंह
Proprietor

Print

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

ऑनलाइन

Running Unique No.: 26672408382434322906
(Receipt No.)

गाँव :- Katikar

ब्लॉक :- रौनिया

जमाबंदी संख्या :-

भाग वर्तमान :- 22

पृष्ठ संख्या :- 19

कंप्यूटरीकृत जमाबंदी संख्या :- 201115300148344

जमाबंदी रयत का नाम :- Tanisha Kumari

अभिभावक का नाम :- Nishant Kurnal

अंचल :- Barari

मौजा :- रौनिया

मौजा/थाना संख्या :- 220

पता :- Chhayakanj Apartment, dist-Katihar

खाता संख्या

628

खेसरा संख्या

3676

एकड़/डिसमिल

0 एकड़ 108 डिसमिल 0 हेक्टर

साताना मांग(बकाया और वर्तमान) चालू वित्तीय वर्ष का

वित्तीय वर्ष	साताना दर	बकाया	वर्तमान	सूद	कुल	अभियुक्ति बकाया का वर्ष कब से कब तक)
जमाबंदी लगान	140.00	140.00	140.00	0.00	280.00	2023-2024 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	203.00	203.00	203.00	0.00	410.00	2023-2024 से 2024-2025
कुल	343.00	343.00	343.00	0.00	690.00	2023-2024 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) अभियुक्ति
लगान	140.00	140.00	280.00 2023-2024 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	203.00	203.00	410.00 2023-2024 से 2024-2025
कुल	343.00	343.00	690.00 2023-2024 से 2024-2025

कुल बकाया-690.00

वसूल की गयी राशि शब्दों में- Six Hundred Ninety Rupees

तिथि- 26-07-2024



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

M/S B. G. F. BRICKS

रुमल कुमार सिंह
Proprietor

Print

राजस्व एवं भूमि सुधार विभाग, बिहार

सरकार

प्रपत्र-XIV ख
(देखें नियम-10)

लगान रसीद

ऑनलाइन

Running Unique No.: 26072409133167128315

(Receipt No.)

बिहार भूमि

जिला :- Katihar

हल्का :- रौनिया

जमाबन्दी संख्या :-

भाग वर्तमान :- 22

पृष्ठ संख्या :- 21

कंप्यूटरीकृत जमाबन्दी संख्या :- 201115300148346

जमाबंदी रयत का नाम :- Nishant

अधिभावक का नाम :- Jay Prakash

अंचल :- Barari

मौज :- रौनिया

मौजा/थाना संख्या :- 220

पता :- Chhaya Kanj, apartment, dist-Patna

खाता संख्या

628

खेतरा संख्या

3675

रकबा/डिखल

0 एकड़ 108 डिसेमील 0 हेक्टर

सालाना मांग/बकाया और वर्तमान चातु वितीय वर्ष का

वितीय वर्ष	सालाना दर	बकाया	वर्तमान	रुंद	कुल	अभियुक्ति(बकाया का वर्ष कब से कब तक)
जमाबंदी लगान	140.00	140.00	140.00	0.00	280.00	2023-2024 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	203.00	203.00	203.00	0.00	410.00	2023-2024 से 2024-2025
कुल	343.00	343.00	343.00	0.00	690.00	2023-2024 से 2024-2025

वितीय वर्ष	बकाया के विरुद्ध वसूली	वर्तमान मांग के विरुद्ध कुल वसूली	कुल वसूली अवशेष राशि(बकाया का वर्ष कब से कब तक) अभियुक्ति
लगान	140.00	140.00	280.00 2023-2024 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	203.00	203.00	410.00 2023-2024 से 2024-2025
कुल	343.00	343.00	690.00 2023-2024 से 2024-2025

कुल बकाया-690.00

वसूल की गयी राशि शब्दों में- Six Hundred Ninety Rupees

तिथि- 26-07-2024



यह एक कम्प्यूटर जनित प्रति है।

किसी भी प्रकार की अशुद्धियों के लिए संबंधित अंचलाधिकारी से संपर्क करें।

M/S B. G. F. BRICKS

रामन कुमार सिंह
Proprietor

Print

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

ऑनलाइन

Running Unique No.: 26072409000417199442

(Receipt No.)

जिला :- Katihar	अंचल :- Barari
ब्लॉक :- रौनिया	मौजा :- रौनिया
जमाबंदी संख्या :-	मौजा/थाना संख्या :- 220
भाग वर्तमान :- 22	
पृष्ठ संख्या :- 45	
कंप्यूटरीकृत जमाबंदी संख्या :- 201115300149144	
जमाबंदी रैपट का नाम :- Tanisha Kumari	प्लॉट :- Ashokpari Colony Nikat Chhayakunj Apartment Patna
अभिभावक का नाम :- Nishant	Dist. Patna
खाता संख्या	खेसरा संख्या
628, 628	3675, 3676
रकबा/डिसमिल 1 एकड़ 21 डिसमील 0 हेक्टर	

सालाना मांग(बकाया और वर्तमान) चातु वितीय वर्ष का

वितीय वर्ष	सालाना दर	बकाया	वर्तमान	सुद	कुल	अभिवृत्ति(बकाया का वर्ष कब से कब तक)
जमाबंदी लगान	160.00	160.00	160.00	0.00	320.00	2023-2024 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	232.00	232.00	232.00	0.00	470.00	2023-2024 से 2024-2025
कुल	392.00	392.00	392.00	0.00	790.00	2023-2024 से 2024-2025

वसूली

वितीय वर्ष	बकाया के विरुद्ध वसूली	वर्तमान मांग के विरुद्ध कुल वसूली	कुल वसूली	अवशेष राशि(बकाया का वर्ष कब से कब तक) अभिवृत्ति
लगान	160.00	160.00	320.00	2023-2024 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	232.00	232.00	470.00	2023-2024 से 2024-2025
कुल	392.00	392.00	790.00	2023-2024 से 2024-2025

कुल बकाया-790.00

वसूल की गयी राशि शब्दों में- Seven Hundred Ninety Rupees

दिथि- 26-07-2024



M/S B. G. F. BRICKS
सुमन कुमार सिंह
Proprietor

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

Print

राजस्व एवं भूमि सुधार विभाग, बिहार

सरकार
प्रपत्र-XIV ख
(देखें नियम-10)
लगान रसीद

ऑनलाइन

Running Unique No.: 26072408550112434732

(Receipt No.)

जिला :- Katihar	अंचल :- Barari
ब्लॉक :- रौनिया	मौजा :- रौनिया
जमाबंदी संख्या :-	मौजा/धाना संख्या :- 220
भाग वर्तमान :- 22	
पट्टा संख्या :- 38	
कंप्यूटरीकृत जमाबंदी संख्या :- 201115300149004	पता :- Ashokpuri Colony Nikat Chhayakunaj Apartment Ps+dist.
जमाबंदी रयत का नाम :- Jai Prakash	Patna
अभिभावक का नाम :- Jagdev Prasad	

खता संख्या	खेसरा संख्या	रकबा/डिसमिल
628, 628, 290	3675, 3676, 3672	0 एकड़ 125.5 डिगमील 0 हेक्टर

साताना मांग(बकाया और वर्तमान) चासू वित्तीय वर्ष का

वित्तीय वर्ष	साताना दर	बकाया	वर्तमान	सूद	कुल	अभियुक्ति(बकाया का वर्ष कब से कब तक)
जमाबंदी लगान	160.00	160.00	160.00	0.00	320.00	2023-2024 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	232.00	232.00	232.00	0.00	470.00	2023-2024 से 2024-2025
कुल	392.00	392.00	392.00	0.00	790.00	2023-2024 से 2024-2025

वित्तीय वर्ष	बकाया के विरुद्ध वसूली	वर्तमान मांग के विरुद्ध कुल वसूली	कुल वसूली	अवशेष राशि(बकाया का वर्ष कब से कब तक)	अभियुक्ति
लगान	160.00	160.00	320.00	2023-2024 से 2024-2025	
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	232.00	232.00	470.00	2023-2024 से 2024-2025	
कुल	392.00	392.00	790.00	2023-2024 से 2024-2025	

कुल बकाया-790.00

वसूल की गयी राशि शब्दों में- Seven Hundred Ninety Rupees

तिथि- 26-07-2024



M/S B. G. F. BRICKS
समय कुमार सिंह
Proprietor

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

Print

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

ऑनलाइन

Running Unique No.: 2607240921022026373
(Receipt No.)

बिहार भूमि

जिला :- Katihar	मंचल :- Barari
हल्का :- रौनिया	मौजा :- रौनिया
जमाबंदी संख्या :- भाग वर्तमान :- 22 पृष्ठ संख्या :- 41 कंप्यूटरीकृत जमाबंदी संख्या :- 201115300149021	मौजा/थाना संख्या :- 220
जमाबंदी रेषत का नाम :- Nishant अभिभावक का नाम :- Jai Prakash	पता :- Ashokpuri Colony Nikat Chhayakunj Apartment Patna Dist. Patna

खाला संख्या 628	खेसरा संख्या 3675	रकबा/डिसमिल 0 एकड़ 120 डिसमिल 0 हेक्टर
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सालाना मांग(बकाया और वर्तमान) चातु वितीय वर्ष का

वितीय वर्ष	सालाना दर	बकाया	वर्तमान	सूद	कुल	अभियुक्ति(बकाया का वर्ष कब से कब तक)
जमाबंदी लगान	160.00	160.00	160.00	0.00	320.00	2023-2024 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	232.00	232.00	232.00	0.00	470.00	2023-2024 से 2024-2025
कुल	392.00	392.00	392.00	0.00	790.00	2023-2024 से 2024-2025

वसूली

वितीय वर्ष	बकाया के विरुद्ध वसूली	वर्तमान मांग के विरुद्ध कुल वसूली	कुल वसूली	अवशेष राशि(बकाया का वर्ष कब से कब तक)	अभियुक्ति
लगान	160.00	160.00	320.00	2023-2024 से 2024-2025	
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	232.00	232.00	470.00	2023-2024 से 2024-2025	
कुल	392.00	392.00	790.00	2023-2024 से 2024-2025	

कुल बकाया-790.00

वसूल की गयी राशि शब्दों में- Seven Hundred Ninety Rupees

तिथि- 26-07-2024



M/S B. G. F. BRICKS
शुभन्त कुमार सिंह
Proprietor

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

Print

राजस्व एवं भूमि सुधार विभाग, बिहार

सरकार

प्रपत्र-XIV ख
(देखें नियम-10)

लगान रसीद

ऑनलाइन

Running Unique No.: 26072408482093797379

(Receipt No.)

बिहार भूमि

पता :- Katihar	अंचल :- Barari	
हल्का :- रौनिया	मोजा :- रौनिया	
जमाबंदी संख्या :-		
भाग वर्तमान :- 22	भौजा/धाना संख्या :- 220	
पृष्ठ संख्या :- 20		
कंप्यूटरीकृत जमाबंदी संख्या :- 201115300148345		
जमाबंदी रयत का नाम :- Jay Prakash	पता :- Ashokpuri Colony Chhayakunj Appartment, dist-Patna	
अभिभावक का नाम :- Lt Jagdev Prasad		
खाता संख्या	खेसरा संख्या	रकबा/हिसमिल
628, 628	3675, 3676	0 एकड़ 108 डिसमील 0 हेक्टर

साताना मांग(बकाया और वर्तमान) चालू वित्तीय वर्ष का

वित्तीय वर्ष	साताना दर	बकाया	वर्तमान	सूद	कुल	अभिव्यक्ति(बकाया का वर्ष कब से कब तक)
जमाबंदी लगान	140.00	140.00	140.00	0.00	280.00	2023-2024 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	203.00	203.00	203.00	0.00	410.00	2023-2024 से 2024-2025
कुल	343.00	343.00	343.00	0.00	690.00	2023-2024 से 2024-2025

वित्तीय वर्ष	बकाया के विरुद्ध वसूली	वर्तमान मांग के विरुद्ध कुल वसूली	कुल वसूली अवशेष राशि(बकाया का वर्ष कब से कब तक)	अभिव्यक्ति
लगान	140.00	140.00	280.00	2023-2024 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	203.00	203.00	410.00	2023-2024 से 2024-2025
कुल	343.00	343.00	690.00	2023-2024 से 2024-2025

कुल बकाया-690.00)

वसूल की गयी राशि शब्दों में- Six Hundred Ninety Rupees

तिथि- 26-07-2024



M/S B. G. F. BRICKS
भुमन्त कुमार सिंह
Proprietor

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

Print



भारत सरकार
GOVERNMENT OF INDIA



सुमरि कुमार सिंह
Sumari Kumar Singh
जन्म तिथि/DOB: 10/10/1962
पुरुष MALE



9388 5659 4173
UID: 9171 0142 9410 5613

मेरा आधार, मेरी पहचान



भारतीय विशिष्ट पहचान प्राधिकरण
UNIQUE IDENTIFICATION AUTHORITY OF INDIA

पति:
C/O पवन फाई स्टो, फ्लैट नं. 101, 102, 103, 104
नगर, कटहर
पिन - 854104
Address:
C/O Pawan Faisla Store, Flat No. 101, 102, 103, 104
Nagar, Katarhar
Pin - 854104



9388 5659 4173

1000 380 1000

www.uidai.gov.in

Registration No. 1000 380 1000

M/S B. G. F. BRICKS
भारत कुमार सिंह
Proprietor

आयकर विभाग
INCOME TAX DEPARTMENT



भारत सरकार
GOVT. OF INDIA

SUMAN KUMAR SINGH
BHAGWAN PRASAD MEHTA
10/10/1962
Permanent Account Number
AOFPS8640M



सुमन कुमार सिंह
Signature

M/S B. G. F. BRICKS

शुभकृष्ण सिंह
Proprietor

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-...677/2023-24

District-Katihar

Name and address of the Permit holder:-M/S- BGF Bricks, Prop-Sri Suman Kumar Singh,
S/o-Sri Bhagwan Prasad Singh, Address-Vij/Town-Siwana, P.O-Gurubazar, P.S-
Barari, Dist- Katihar.

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
01	02	03	04	05	06	07
Mouja- Roniya Anchal- Barari Plot No- 3675, 3676 Marka- BGF	Session-2023-24 Up to 30.06.2024	Brick Earth	Business Purpose	25 Lakh Bricks	@RS-4500/- Per Lakh	GRN-20231100663714M Rs-1,11,900/- 27.11.2023

Seal

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.

M/S B. G. F. BRICKS

Suman Kumar Singh
Proprietor



BIHAR STATE POLLUTION CONTROL BOARD
PARIYESH BHAWAN, PLOT NO. NS-B/2, PALIPUTRA INDUSTRIAL AREA,
PATLIPUTRA, Patna - 800 010

Ref. No. 1272.

Date: 03/10/23

EMISSION CONSENT ORDER

With reference to the on-line application no-8275247, dated 29.09.2023, previous CTO regarding conversion of existing kiln to 'Cleaner Technology for Brick Production' (Type-Bull's Trench Kiln (BTK), Cleaner Technology with zig-zag process & natural induced draft firing technology), Undertaking/affidavit dated 06.11.2018 & 05.09.2023 etc. of M/s Bhagwan Gita Field, At-Siwana, Po.-Gurubazar, Dist.-Katihar-854104 for consent under section 21 of the Air (Prevention & Control of Pollution) Act, 1981, he/they is/are granted Consent-to-Operate (CTO) to the Brick (Capacity-15,000 bricks/day) situated at Mauza- Rannia, Po.-Gurubazar, Dist.-Katihar for the period upto 30.09.2028 with the following conditions:-

1. That he/they 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 31 A of the Air (Prevention & Control of Pollution) Act, 1981 and further shall extend co-operation of the Board in performing its function entrusted under sections 24, 25 and 26 of the Act.
2. That, he/they shall comply with the requirements of rule 11 of the Environment (Protection) Rules, 1986; Rules 4, 6, 8, 9, 12, 13, 14, 15, 18, 19, 20, 22 and 23 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016; Rules 4,5,7,8,10,11,12,13,14,15,17 and 18 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 emissions and the ambient air quality from representative points regularly and shall maintain its quality in conformity with Board's standards and shall produce its proof, as and when required.
4. That, he/they shall submit application for consent before 30days before the date of expiration of the consent i.e. 31.08.2028 or within 30 days from the date of receipt of this order, whichever is applicable.
5. That, they shall conform to following emission and stack height regulation (whichever applicable):

Type of Kiln	Capacity	Production capacity (bricks/day)	Stack Height (m)	Minimum stack velocity (m/sec)	Minimum stack diameter (mm)
Small	Less than 5000	Less than 5000	12 m	2.5	1000
Medium	5000 to 10000	5000 to 10000	15 m	3.0	1200
Large	Above 10000	Above 10000	18 m	3.5	1500

6. That, they shall achieve the particulate matter emission limit by installing gravity settling chamber or providing appropriate stack height.
7. That, they shall ensure flue gas sampling provisions; ensure area around the kiln to be paved to prevent fugitive dust emission and tree plantation to develop green environment surrounding of the brick kiln.
8. That, the unit shall submit flue gas analysis report to the Board yearly and that shall conform to the standard prescribed by the Board.

सेवा में,

खनिज विकास पदाधिकारी,
—सह—

जिला पंचायत राज पदाधिकारी,
कटिहार।

विषय:-

ईट मिट्टी हेतु मौजा-रौनिया,
डी0, खाता सं0-290,342,628,
मिट्टी 58073 घन मीटर का रु
अनुमोदन हेतु समर्पित करने के

महाशय,

निवेदन पूर्वक कहना है कि मैं
का संचालन कर रहा हूँ। जिसमें मिट्टी उत्त
योजना का चार प्रति खनन कार्यालय, कटिह
अतः श्रीमान से निवेदन है कि
ताकि पर्यावरणीय स्वीकृति हेतु अनुमोदित ख
सकूँ।

अनुलग्नक-खनन योजना की चार मूल प्रति

provisions of the Bihar Minerals (Concession,
ation & Storage) (Amended) Rules, 2020;

main brick kiln including access road should be
the fugitive dust emissions from the brick kiln
nopes in two (2) rows of evergreen species shall be

each financial year ending 31st Sept. in Form-V as
proponent to the Board as prescribed in the

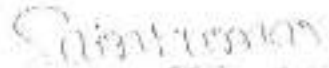
near the site stating name of unit/industry with
is and ref. no. and date of consent with its validity

ion'ble Supreme Court and vide Board's HC/ ref no-
provisions for display of data outside main factory
ater discharge and air emission along with solid
raises.

above, the applicant unit shall abide by all the
including policies and guidelines made there under.

of affidavit/undertaking up-loaded by the applicant
event of any information document is provided by

ading at any stage, the NOC/CTO granted shall be
ted. If any serious objection is raised and found to
ave unit and pollution control measures then they
hwith and shift to a suitable location at proponent's


(Sam Kumar)
Regional Officer, Purnea



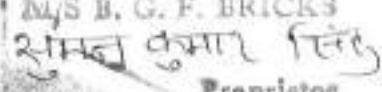
Government of India
Form GST REG-06
(See Rule 19(1))

Registration Certificate

Registration Number : 10AOFPS8640M22M

1.	Legal Name	SUMAN KUMAR SINGH			
2.	Trade Name, if any	B. G. F. Bricks			
3.	Constitution of Business	Proprietorship			
4.	Address of Principal Place of Business	NA, BARAKI, SIWANA, Katihar, Bihar, 854104			
5.	Date of Liability	01/07/2017			
6.	Period of Validity	From	01/07/2017	To	NA
7.	Type of Registration	Regular			
8.	Particulars of Approving Authority				
Signature Validity unknown Digitally signed by B. G. F. Bricks AND SERVICES TAX NETWORK 1 Date: 2018.02.21 00:16:56 IST					
Name					
Designation					
Jurisdictional Office					
9.	Date of issue of Certificate	21/02/2018			
Note: The registration certificate is required to be prominently displayed at all places of business in the State.					

This is a system generated digitally signed Registration Certificate issued based on the deemed approval of application on 01/07/2017.

M/S B. G. F. BRICKS

 Proprietor



GSTIN 10AOFPS8640MZZM
Legal Name SUMAN KUMAR SINGH
Trade Name, if any B. G. F. Bricks

Details of Additional Places of Business

Total Number of Additional Places of Business in the State 0

B. G. F. BRICKS
सुमन कुमार सिंह
Proprietor



GSTIN

10AOFPS8640MZZM

Legal Name

SUMAN KUMAR SINGH

Trade Name, if any

B. G. F. Bricks

Details of Proprietor

1



Name

SUMAN KUMAR SINGH

Designation/Status

PROPRIETOR

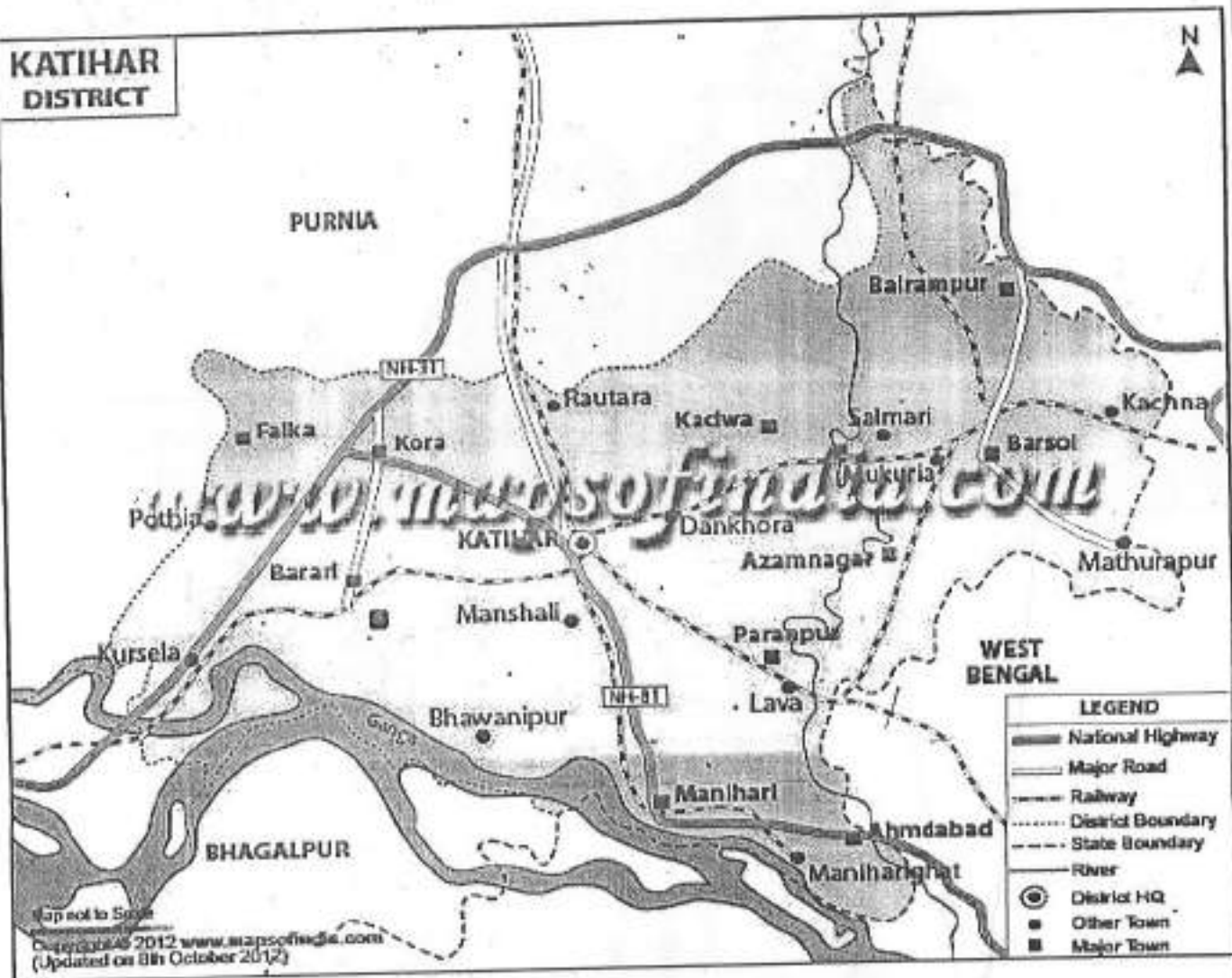
Resident of State

Bihar

M/S B. G. F. BRICKS

सुमान कुमार सिंह
Proprietor

KATIHAR DISTRICT



Legend

BOUNDARY OF QUARY LEASE

PLATE02- LOCATION PLAN

M/s Bhagwan Gita Field (BGF)	RQP
NAME OF PROJECT - PROPOSED MINING FOR Brick Project (Roniya)	
Khata No- 290, 342, 628	
Khasra No- 3672,3673,3674,3675,3676	
Area- 8.33 Acre	
Mouza- Roniya, ANCHAL -Barari, DISTRICT- Katihar, Bihar	
APPLICANT - Suman Kumar Singh S/o Late Bhagwan Prasad Mehta, Add.- Mouza- Sivana, Guru Bazar, ANCHAL -Barari, DISTRICT- Katihar, Bihar	
	Dr. Ashish Sharma Approved RQP Dept. Of Mines & Geology Govt of Bihar Approved RQP No. 19 Dr. ASHISH SHARMA RQP

M/S B. G. F. BRICKS
सुमन कुमार सिंह
Proprietor



1:5,000

0 0.075 0.15 0.3 0.45 0.6
Kilometers

Legend

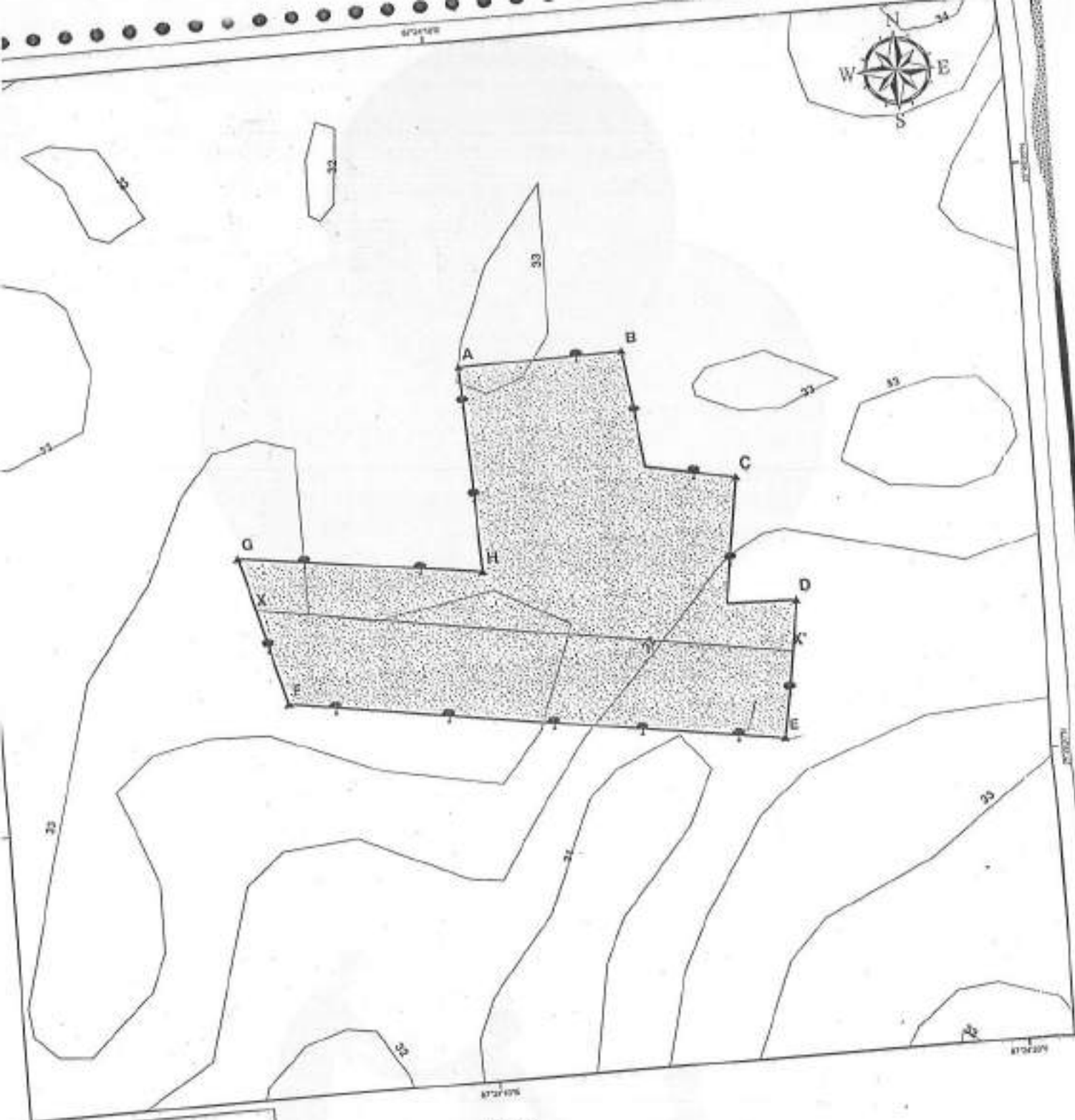
- ▲ BOUNDARY PILLAR
- BOUNDARY OF QUARY LEASE

PLATE03- GOOGLE PLAN

M/s Bhagwan Gita Field (BGF)	
NAME OF PROJECT - PROPOSED MINING FOR Brick Project (Roniya)	
Khasra No- 290, 342, 628	
Khasra No- 3672, 3673, 3674, 3675, 3676	
Area- 8.33 Acre	
Mouza- Roniya, ANCHAL -Barari, DISTRICT- Khatwar, Bihar	
APPLICANT - Suman Kumar Singh S/o Late Bhagwan Prasad Mehta, Add.- Mouza- Sivana, Guna Bazar, ANCHAL -Barari, DISTRICT- Khatwar.	
RQP	
Dr. Ashish Sharma	
Approved RQP Dept. Of Mines & Geology Govt of Bihar Approved RQP Sl No. 15	
Dr. ASHISH SHARMA RQP	

M/S B. G. F. BRICKS
सुमन कुमार सिंह
Proprietor

PILLAR COORDINATES		
Pillar No	Longitude	Latitude
A	87° 24' 10.196" E	25° 29' 27.395" N
B	87° 24' 13.286" E	25° 29' 27.434" N
C	87° 24' 15.263" E	25° 29' 25.068" N
D	87° 24' 16.204" E	25° 29' 22.932" N
E	87° 24' 15.817" E	25° 29' 20.593" N
F	87° 24' 6.534" E	25° 29' 21.926" N
G	87° 24' 5.784" E	25° 29' 24.440" N
H	87° 24' 10.369" E	25° 29' 27.395" N



- Legend**
- PLANTATION
 - BOUNDARY PILLAR
 - SECTION LINE
 - CONTOUR
 - BOUNDARY OF QUARRY LEASE
 - Soil



PLATE04- SURFACE AND GEOLOGICAL PLAN

M/s Bhagwan Gita Field (BGF)

NAME OF PROJECT - PROPOSED MINING FOR Brick Project (Rozia)

Khata No- 290, 342, 626

Khasra No- 3672, 3673, 3674, 3675, 3676

Area- 8.33 Acre

Mouza- Koriya, ANCHAL -Barari, DISTRICT- Kachhar, Bihar

APPLICANT - Suman Kumar Singh S/o Late Bhagwan Prasad Mahtia, Add.- Mouza- Shivana, Guru Bazar, ANCHAL -Barari, DISTRICT- Kachhar,

RQP

Dr. Ashish Sharma

Prd Geologist

+1 RQP Dist. Of Mines & Geology Govt of Bihar Registered RQP No. 71

Dr. ASHISH SHARMA

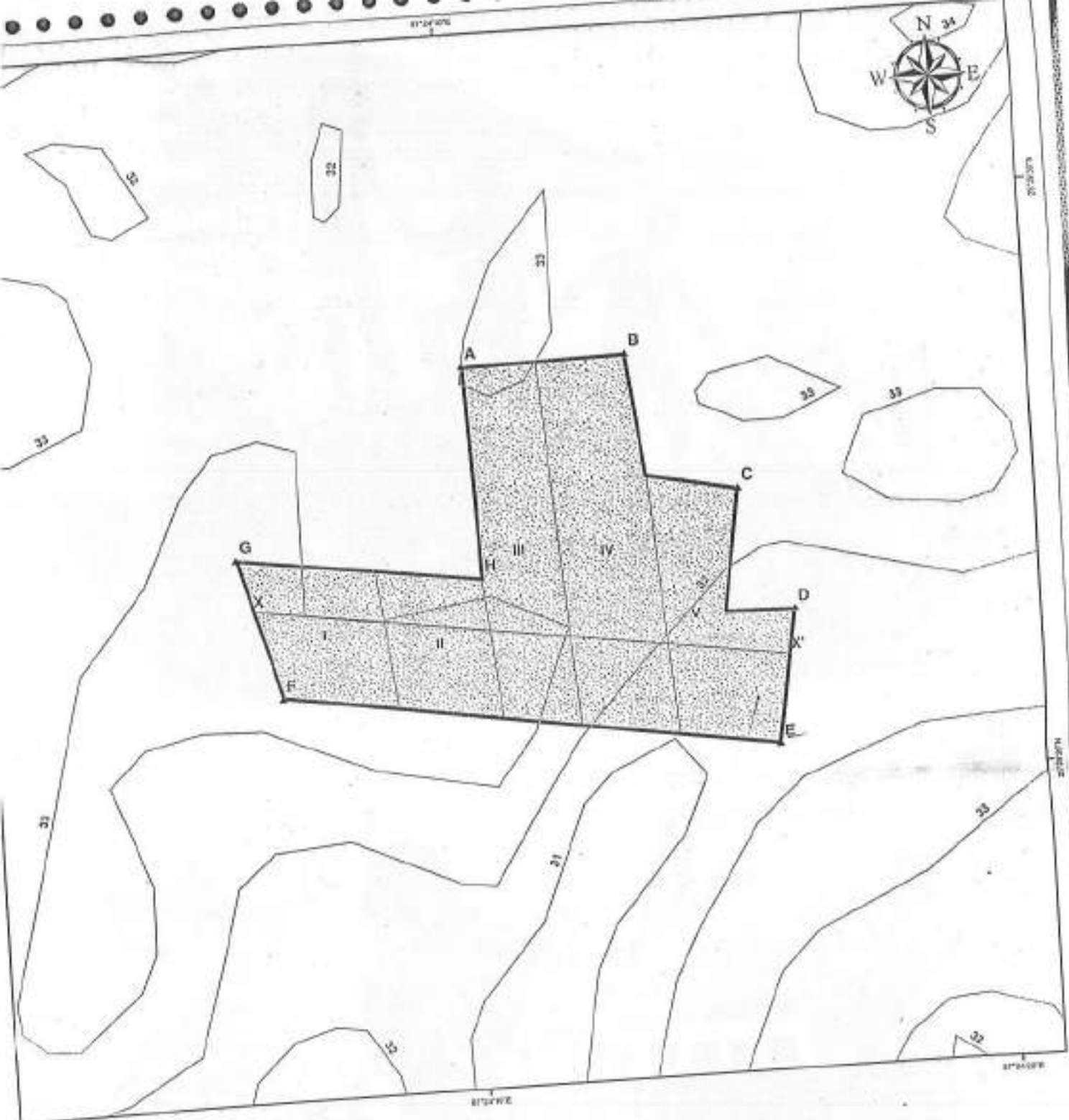
RQP

M/S B. G. F. BRICKS

27th April 2018

Proprietor

PILLAR COORDINATES		
Pillar No	Longitude	Latitude
A	87° 24' 10.196" E	25° 29' 27.395" N
B	87° 24' 13.286" E	25° 29' 27.434" N
C	87° 24' 15.263" E	25° 29' 25.068" N
D	87° 24' 16.204" E	25° 29' 22.932" N
E	87° 24' 15.817" E	25° 29' 20.593" N
F	87° 24' 6.534" E	25° 29' 21.926" N
G	87° 24' 5.784" E	25° 29' 24.440" N
H	87° 24' 10.369" E	25° 29' 23.111" N



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

0 15 30 60 90 120
Meters

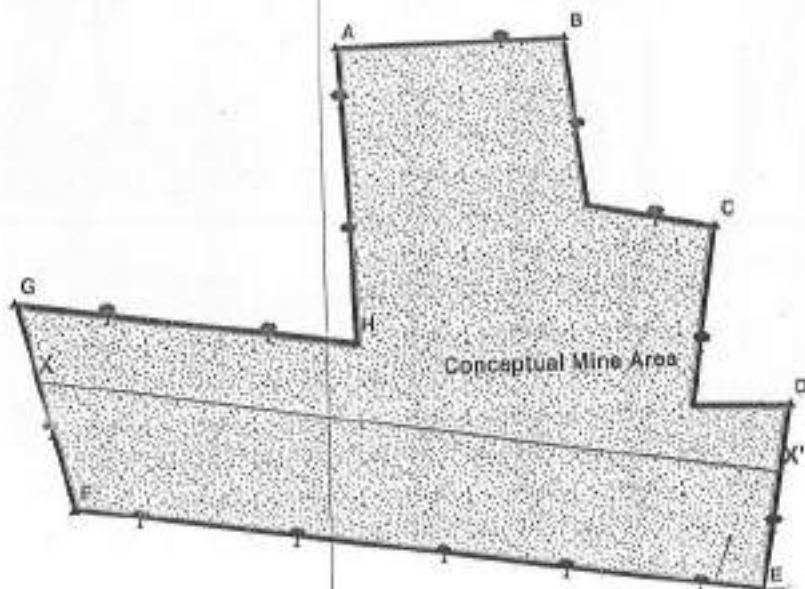
PLATE05- YEARLY PRODUCTION PLAN

M/s Bhagwan Gita Field (BGF)
NAME OF PROJECT - PROPOSED MINING FOR
Brick Project (Rohiya)
Khata No- 290, 342, 628
Khasra No- 3672, 3673, 3674, 3675, 3676
Area- 8.33 Acre
Mouza- Rohiya, ANCHAL -Barail, DISTRICT-
Katihar, Bihar
APPLICANT - Suman Kumar Singh S/o Late
Bhagwan Prasad Mehta, Add.- Mouza- Swana,
Guru Bazar, ANCHAL -Barail, DISTRICT- Katihar,
Bihar

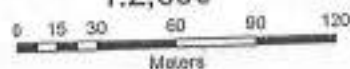
Dr. Ashish Sharma
Proprietor
RQP

M/S B. G. F. BRICKS
Proprietor

PILLAR COORDINATES		
Pillar No	Longitude	Latitude
A	87° 24' 10.196" E	25° 29' 27.395" N
B	87° 24' 13.286" E	25° 29' 27.434" N
C	87° 24' 15.263" E	25° 29' 25.068" N
D	87° 24' 16.204" E	25° 29' 22.932" N
E	87° 24' 15.817" E	25° 29' 20.593" N
F	87° 24' 6.534" E	25° 29' 21.925" N
G	87° 24' 5.754" E	25° 29' 24.446" N
H	87° 24' 10.369" E	25° 29' 23.925" N



1:2,000



Legend

- PLANTATION
- BOUNDARY_PILLAR
- SECTION_LINE
- SOIL_BENCH
- 1M BARRIER_ZONE
- BOUNDARY_OF_QUARRY_LEASE
- Soil

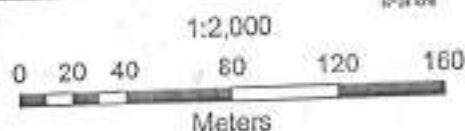
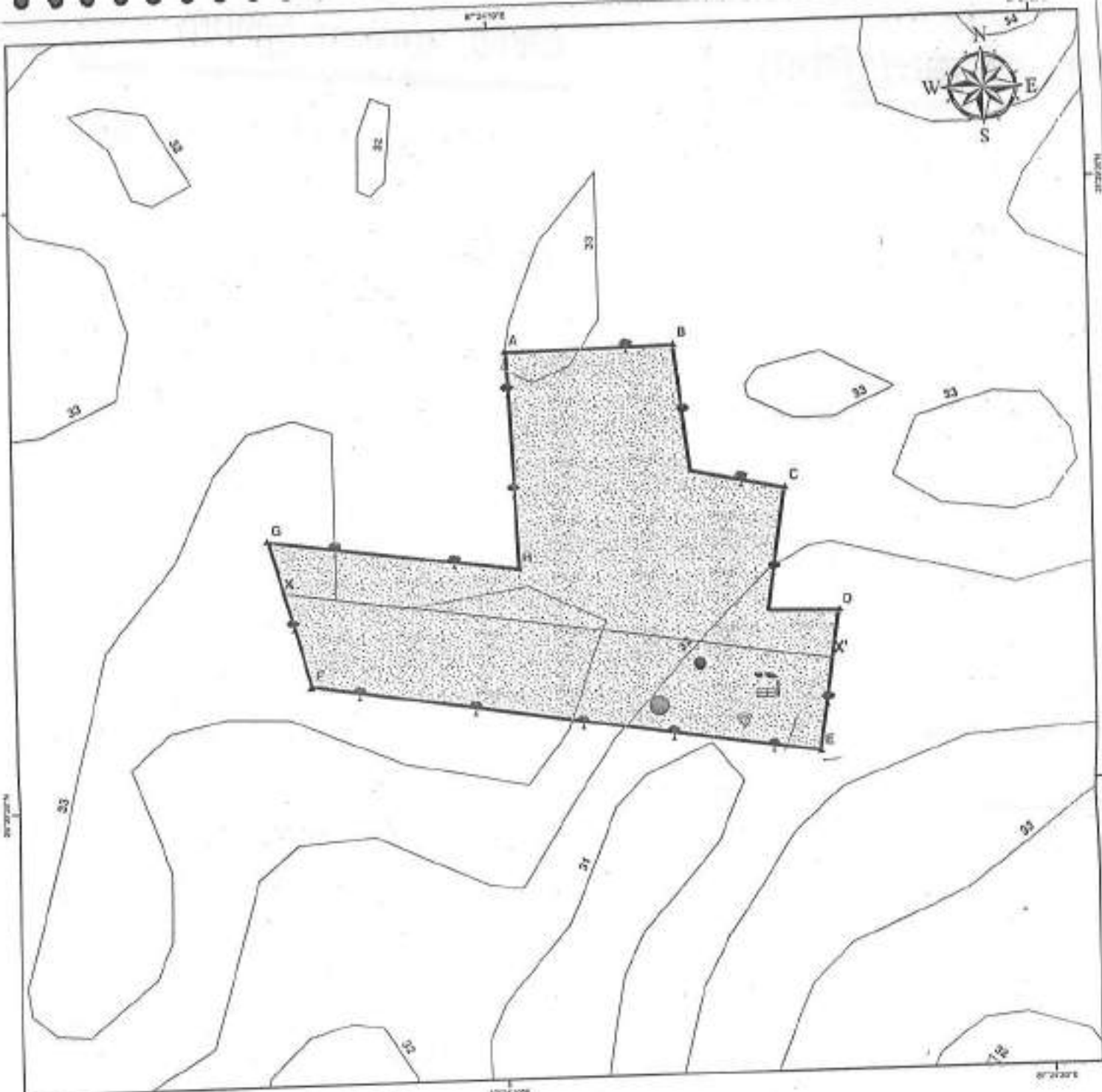
PLATE07- CONCEPTUAL PLAN

M/s Bhagwan Gita Field (BGF)	RQP
NAME OF PROJECT - PROPOSED MINING FOR Brick Project (Roniya)	
Khasra No- 250, 342, 528	Dr. Ashish Sharma
Khasra No- 3672, 3673, 3674, 3675, 3676	Proposed RQP Dist. Of Mines & Geology
Area- 8.33 Acre	Govt of Bihar Approved RQP SI No. 79
Mouza- Roniya, ANCHAL-Barari, DISTRICT- Katihar, Bihar	Dr. ASHISH SHARMA
APPLICANT - Suman Kumar Singh S/o Late Bhagwan Prasad Mehta, Add.- Mouza- Sivana, Guru Bazar, ANCHAL-Barari, DISTRICT- Katihar, Bihar	RQP

M/S B. G. F. BRICKS
सुमन कुमार सिंह
Proprietor

PILLAR COORDINATES

Pillar No	Longitude	Latitude
A	87° 24' 10.196" E	25° 29' 27.395" N
B	87° 24' 13.286" E	25° 29' 27.434" N
C	87° 24' 15.263" E	25° 29' 25.068" N
D	87° 24' 16.204" E	25° 29' 22.932" N
E	87° 24' 15.817" E	25° 29' 20.593" N
F	87° 24' 6.534" E	25° 29' 21.926" N
G	87° 24' 5.784" E	25° 29' 24.440" N
H	87° 24' 10.369" E	25° 29' 23.842" N



M/s B. G. F. BRICKS
सुमित कुमार सिंह
 Proprietor

PLATE 08 - POLLUTION MITIGATION PLAN

M/s Bhagwan Gita Field [BGF]	RQP
NAME OF PROJECT - PROPOSED MINING FOR Brick Project (Roniya)	
Khata No- 290, 342, 628	
Khasra No- 3672, 3673, 3674, 3675, 3676	
Area- 8.33 Acre	
Mouza- Roniya, ANCHAL -Barani, DISTRICT- Gop. of Bihar	
Katihar, Bihar	
APPLICANT - Suman Kumar Singh S/o Late Bhagwan Prasad Mehra, Add.- Mouza- Sivana, Guru Bazar, ANCHAL -Barani, DISTRICT- Katihar, Bihar	
Dr. Ashish Sharma Proprietor RQP	

PILLAR COORDINATES		
Pillar No	Longitude	Latitude
A	87° 24' 10.196" E	25° 29' 27.395" N
B	87° 24' 13.286" E	25° 29' 27.434" N
C	87° 24' 15.263" E	25° 29' 25.068" N
D	87° 24' 16.204" E	25° 29' 22.932" N
E	87° 24' 15.817" E	25° 29' 20.593" N
F	87° 24' 6.534" E	25° 29' 21.926" N
G	87° 24' 5.784" E	25° 29' 24.440" N
H	87° 24' 10.369" E	25° 29' 23.842" N



Legend

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

PLATE10 TRANSPORTATION & BUFFER PLAN

M/s Bhagwan Gita Field (BGF)	RQP
NAME OF PROJECT - PROPOSED MINING FOR	
Brick Project (Roniya)	
Khata No- 290, 342, 628	
Khasra No- 3672, 3673, 3674, 3675, 3676	
Area- 8.33 Acre	
Mouza- Roniya, ANCHAL -Barari, DISTRICT- Katihar, Bihar	
APPLICANT - Suman Kumar Singh S/o Late Bhagwan Prasad Mehta, Add.- Mouza- Shana, Guna Bazar, ANCHAL -Barari, DISTRICT- Katihar, Bihar	
Dr. Ashish Sharma	
Approved RQP Dept. Of Mines & Geology	
Govt of Bihar Approved RQP S.No. 19	
Dr. ASHISH SHARMA	
RQP	

M/S B. G. F. BRICKS
 सुमन कुमार सिंह
 Proprietor

PILLAR COORDINATES

Pillar No	Longitude	Latitude
A	87° 24' 10.196" E	25° 29' 27.395" N
B	87° 24' 13.286" E	25° 29' 27.434" N
C	87° 24' 15.263" E	25° 29' 25.068" N
D	87° 24' 16.204" E	25° 29' 22.932" N
E	87° 24' 15.817" E	25° 29' 20.593" N
F	87° 24' 6.534" E	25° 29' 21.926" N
G	87° 24' 5.784" E	25° 29' 24.111" N
H	87° 24' 10.369" E	25° 29' 27.395" N

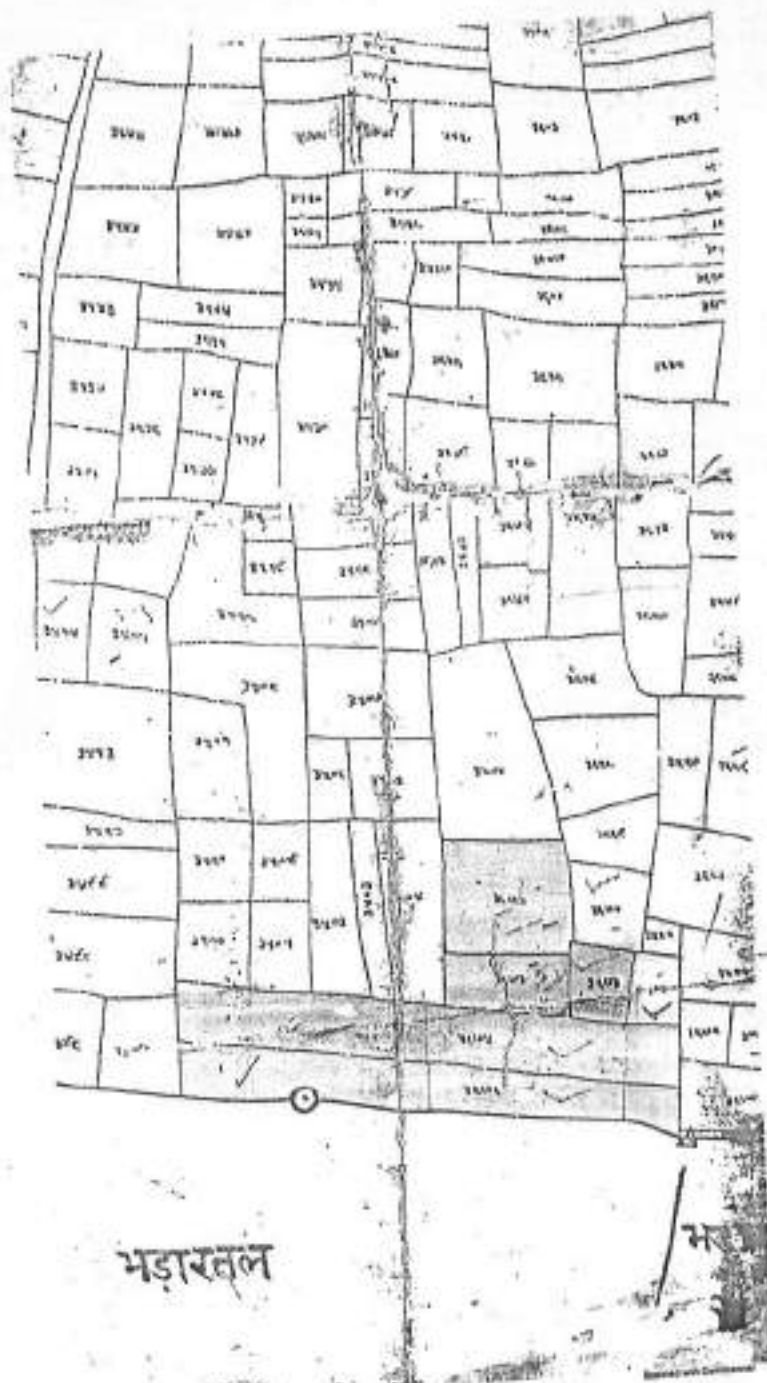


PLATE01- CADASTRAL PLAN

M/s Bhagwan Gita Field (BGF)	RQP
NAME OF PROJECT - PROPOSED MINING FOR Brick Project (Roniya)	
Chata No- 290, 342, 628	
Chasra No- 3672,3673,3674,3675,3676	
Area- 8.33 Acre	
Mouza- Roniya, ANCHAL -Barari, DISTRICT- Katihar, Bihar	
APPLICANT - Suman Kumar Singh S/o Late Bhagwan Prasad Mehta, Add.- Mouza- Sivana, Guru Bazar, ANCHAL -Barari, DISTRICT- Katihar, Bihar	Dr. Ashish Sharma Ptd. Geology Approved RQP Dept. Of Mines & Geology Govt of Bihar Approved RQP SI No 19 Dr. ASHISH SHARMA RQP

M/S B. G. F. BRICKS
 सुमन कुमार सिंह
 Proprietor