To,

Date: 12.12.2024

The Member Secretary
State Level Expert Appraisal Committee
2nd Floor, Beltron Bhawan, Shastri Nagar,
Patna, Bihar - 800023

Sub: Submission of Environment Clearance Application for grant of Environment Clearance for proposed Soil Mining located at Thana no. 353, Khata no. 127, 113, Khasra no. 384, 385, 211, Mauza: Wariyarpur, Block: Raghopur, District: Vaishali, Bihar over an area of 4.39 Ha. by Mr. Upendra Mahto, S/o Vanarasi Mahto, -*Submission-Regd.*

Respected sir,

With reference to the above subject and reference cited, in order to obtain the Environmental Clearance, as per the EIA Notification dated 14th September, 2006 of MoEF&CC, Govt. of India, we are herewith submitting the proposed Soil Mining located at Thana no. 353, Khata no. 127, 113, Khasra no. 384, 385, 211, Mauza: Wariyarpur, Block: Raghopur, District: Vaishali, Bihar over an area of 4.39 Ha. by Mr. Upendra Mahto, S/o Vanarasi Mahto.

So accordingly, we are submitting for Environmental Clearance application along with following required documents: -

- Form 2
- Pre-Feasibility report
- Approved Mining Plan
- Necessary Annexures as per the checklist prescribed by SEIAA, Bihar vide reference no: 432 Patna, dated 15.07.2024.

Therefore, we request you to kindly process our application for issuance of Environmental Clearance for our above-mentioned project at earliest.

Thanking You

Yours faithfully

Applicant: Mr. Upendra Mahto

CHEKLIST

1.	Application in Form-2.	Application is submitted in format of Form 2.
2.	Provide Pre-feasibility Report (PFR) along with the proposal.	PFR Submitted in attachment.
3.	Environment management plan (prepared by QCI/NABET Accredited Consultant).	Application is submitted by M/s Ecomen Mining Pvt. Ltd., QCI / NABET Accredited consultant.
4.	Mining plan approved by authorized agency (district mining office / department of mine and geology, Govt. of Bihar).	Mining plan approved by District Mining office which is attached in the attachment *as* ***Annexure I***
5.	Geo-tagged photographs and location map of proposed project sites (Brick Kiln Sites/Mining Sites etc.).	Geo-tagged photographs and location map of proposed project sites is attached *as* ***Annexure 2***
6.	Cluster details (any other mines within 500 meters radius of proposed mine plot) issued by authorized agency (District Mining Office/Department of Mine and geology, Govt. of Bihar).	Affidavit regarding the same is enclosed *as* ***Annexure 3.***
7.	Habitation details 500 meters radius (Land use / Land cover)	Habitation is at a distance of approx. 300m from the site.
8.	Provide the distance between the ordinary Earth/Clay mining site and the place Where it will be used.	Distance is approx. 150 m.
9.	Provide purpose / requirement of Ordinary Earth / Clay mining.	Main purpose of the project is requirement of ordinary earth is for filling in road construction etc.
10.	Copy of lease deed/land document together with type of land (Govt. / Private / Jungle Jhad / Pahar / Agriculture / Commercial / Forest / etc.) latest land rent receipt of the land involved.	Copy of lease deed is attached *as* ***Annexure 4***
11.	Affidavit as prescribed by State Environment impact Assessment Authority, Bihar, (Annexure-2).	Affidavit as prescribed by State Environment impact Assessment Authority, Bihar is attached *as* ***Annexure 5***
12.	Scrutiny fee as Prescribed by State Environment Impact Assessment Authority, Bihar i.e. (Demand Draft in	Scrutiny fee will be submitted along with application in hard copy in the form of Demand Draft at SEIAA and same is enclosed *as* ***Annexure 6***

	favour of Member Secretary, SEIAA, Bihar Payable at patna). (Annexure-3)	
13.	Other direction as mentioned in the Office Memorandum L-11011/47/2011 – 1A.ll (M), dated 24.06.2013.	Complied.

PREFEASIBILITY REPORT

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The proposed Soil Mining is situated at Thana no. 353, Khata no. 127, 113, Khasra no. 384, 385, 211, Mauza: Wariyarpur, Block: Raghopur, District: Vaishali, Bihar over an area of 4.39 Ha. Proposed mining of Soil is permitted to the Mr. Upendra Mahto, S/o Vanarasi Mahto, Address: Maile Chowk, Bhairopur deodhi, Vaishali, Bihar – 844102. The estimated project cost is Rs 30 Lakhs.

1.2 SALIENT FEATURE OF THE PROJECT

<table>
<tr><th>S. No.</th><th>Particular</th><th>Detail</th></tr>
<tr><td>1.</td><td>Project Name</td><td>Proposed Soil Mining at Thana no. 353, Khata no. 127, 113, Khasra no. 384, 385, 211, Mauza: Wariyarpur, Block: Raghopur, District: Vaishali, Bihar.</td></tr>
<tr><td>2.</td><td>Location of mine</td><td>Mauza: Wariyarpur, Block: Raghopur, District: Vaishali, Bihar.
<table>
<tr><th>Thana No.</th><th>Khata no.</th><th>Khesra no.</th><th>Area (Ha.)</th></tr>
<tr><td>353</td><td>127</td><td>384, 385</td><td>3.78</td></tr>
<tr><td></td><td>113</td><td>211</td><td>0.61</td></tr>
<tr><td colspan="3">Total</td><td>4.39</td></tr>
</table></td></tr>
<tr><td>3.</td><td>Site co-ordinate</td><td>Geo-coordinate of the project site:
<table>
<tr><th></th><th>Pillar</th><th>Latitude</th><th>Longitude</th><th>Area (Ha.)</th></tr>
<tr><td rowspan="4">Block - A</td><td>A</td><td>25°38'50.13"N</td><td>85°17'42.19"E</td><td rowspan="4">3.78 Ha.</td></tr>
<tr><td>B</td><td>25°38'51.44"N</td><td>85°17'40.11"E</td></tr>
<tr><td>C</td><td>25°38'35.27"N</td><td>85°17'30.19"E</td></tr>
<tr><td>D</td><td>25°38'34.16"N</td><td>85°17'32.06"E</td></tr>
<tr><td rowspan="4">Block - A</td><td>A</td><td>25°39'2.69"N</td><td>85°17'27.33"E</td><td rowspan="4">0.61 Ha.</td></tr>
<tr><td>B</td><td>25°38'55.82"N</td><td>85°17'23.47"E</td></tr>
<tr><td>C</td><td>25°38'58.05"N</td><td>85°17'23.56"E</td></tr>
<tr><td>D</td><td>25°39'3.10"N</td><td>85°17'26.36"E</td></tr>
<tr><td colspan="4">Total Area</td><td>4.39 Ha.</td></tr>
</table></td></tr>
<tr><td>4.</td><td>Toposheet number</td><td>72G/2AND G/6</td></tr>
<tr><td>5.</td><td>Land use</td><td>Barren Land</td></tr>
<tr><td>6.</td><td>Minerals of mine</td><td>Earth / Soil</td></tr>
<tr><td>7.</td><td>Total Geological reserves</td><td>87,800 m^3</td></tr>
</table>

8.	Total Mineable reserves	73,093 m^3
9.	Production of mine	73,093 m^3 / 1,11,832 Tones
10.	Method of mining	Open cast semi – mechanized method
11.	Man power requirement	13 persons
12.	No of working days	210 Days
13.	Water Demand	6 KLD
14.	Sources of water	Tankers
15.	Nearest State Highway/ National Highway	SH-93 about 1.15 km towards north direction. NH-322 about 3.87 km towards north direction. NH-22 about 6.27 km towards west direction.
16.	Nearest Railway Station	Chakmakrand station about 5.41 km towards NNW direction.
17.	Nearest Airport	Jay Prakash Narayan Airport Patna about 20.87 km in west direction.
18.	Seismic Zone	Seismic Zone IV
19.	Project cost	Rs 30 lakhs
20.	EMP Cost	Capital cost: Rs 2.80 Lakhs Recurring cost: Rs 1.80 Lakhs

1.3 PROPOSED PLANNING

Mining method - Open cast semi – mechanized method

Project cost – Rs 30 lakhs

Production – 73,093 m^3 / 1,11,832 Tones

1.4 CONCLUSION

Soil is used as a raw material in all type of construction and infrastructure project. The need of ordinary Soil is in all fields are very essential as it is a compulsory for all types of construction, and industries fields. Proposed production of Soil is contributing enhancing state production of ordinary Soil. Mine will be provide employments to the local labour in rural area, thus the villagers of nearby villages have more employment opportunities.

2. INTRODUCTION OF THE PROJECT/ BACKGROUND INFORMATION

2.1 IDENTIFICATION OF PROJECT AND PROJECT PROPONENT

The proposed Soil Mining is situated at Thana no. 353, Khata no. 127, 113, Khasra no. 384, 385, 211, Mauza: Wariyarpur, Block: Raghopur, District: Vaishali, Bihar over an area of 4.39 Ha. Proposed mining of Soil is permitted to the Mr. Upendra Mahto, S/o Vanarasi Mahto, Address: Maile Chowk, Bhairopur deodhi, Vaishali, Bihar – 844102.

2.2 BRIEF INFORMATION ABOUT THE PROJECT

The land area is 4.39 Ha. The total mineable reserves available are 73,093 m^3 / 1,11,832 Tons of Soil.

2.3 NEED FOR THE PROJECT AND ITS IMPORTANCE TO THE COUNTRY OR REGION

Soil is used as a raw material in all type of construction and infrastructure project. The need of ordinary Soil is in all fields are very essential as it is a compulsory for all types of construction, and industries fields. Proposed production of Soil is contributing enhancing state production of ordinary Soil. Mine will be provide employments to the local labour in rural area, thus the villagers of nearby villages have more employment opportunities.

2.4 DEMANDS-SUPPLY GAP

The soil deposit mine is supplier to open market.

2.5 IMPORTS VS. INDIGENOUS PRODUCTION

There will be no import of Soil.

2.6 EXPORT POSSIBILITY

There is no proposal to export the Soil.

2.7 DOMESTIC/ EXPORT MARKETS

Domestic Market

The proponent is supplier of Soil to open market.

Export Market

The proposed mining activity is for indigenous consumption only for brick making.

2.8 EMPLOYMENT GENERATION

Manpower Detail

S. No.	Designation	No. of Person
1.	Administrator cum supervisor	1
2.	Back Hoe Loader Operator	1
3.	Dumper Drive	2
4.	Tractor Driver	3
5.	General helper	6
Total		**13**

3. PROJECT DESCRIPTION

3.1 TYPE OF PROJECT INCLUDING INTERLINKED AND INTERDEPENDENT PROJECTS, IF ANY.

The project is of Soil mining. It is an independent project it is not interlinked with other project. This mining project falls under Category "B2" Project or activity 1(a) as per EIA Notifications 2006 & its subsequent amendments so far.

3.2 LOCATION

The Proposed Soil Mining is situated at Thana no. 353, Khata no. 127, 113, Khasra no. 384, 385, 211, Mauza: Wariyarpur, Block: Raghopur, District: Vaishali, Bihar over an area of 4.39 Ha. The mining lease area falls in Survey of India, Toposheet number is mentioned below.

Sheet Details

Toposheet No.: 72G/2AND G/6

Site Co-Ordinates:

	Pillar	Latitude	Longitude	Area (Ha.)
Block - A	A	25°38'50.13"N	85°17'42.19"E	3.78 Ha.
	B	25°38'51.44"N	85°17'40.11"E	
	C	25°38'35.27"N	85°17'30.19"E	
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	C	25°38'58.05"N	85°17'23.56"E	
	D	25°39'3.10"N	85°17'26.36"E	

Total Area	**4.39 Ha.**

3.3 DETAIL OF ALTERNATE SITES

Not Applicable

3.4 SIZE OR MAGNITUDE OF OPERATION

The maximum Production will be – 73,093 m^3 / 1,11,832 Tones and the mine leased area is spread over 4.39 Ha. Soil mining will be done at the proposed site. It is also proposed that the extraction of soil would be done max up to 2 meters.

3.5 PROJECT DESCRIPTION WITH PROCESS DETAILS

The proposed project is to mine Clay/Soil from Khasra(s) under agreement sustainably and scientifically. Mining will be opencast manual mining using hand tools like shovel, spade, sieve etc. only in the allotted Khasra keeping the nearby plot(s) unaffected.

3.5.1 METHOD FOR DEVELOPING AND WORKING THE DEPOSITS

Following geo-scientific methods are proposed to carry out the activity:

- Mining will be confined to the allotted Khasra(s) only up to a maximum depth of 2.0 m from the surface in 1m. High and> 10m wide working bench parameters & provision of MCR-1972 and MMR 1972 will be followed strictly.
- The mining shall be done during daytime only in order to avoid environmental pollution or any accidental hazards.
- This is an open-cast mining project. The operation will be carried semi- mechanized. The earth/soil will be collected in its existing form.
- No mining activity will be undertaken during the monsoon season.
- Only 210 working days in a year have been assumed for calculation purpose.
- Topsoil up to 20-centimetre depth shall be scraped & preserved to spread it after mining activity is completed to restore the fertility of land.
- The width and height of final benches shall be 1m x 1m.
- 3m wide haul road shall be made at 1: 16 gradient to the next level.
- No drilling and blasting is proposed.

- The operation will remain manual, using tools like shovel, spade, sieve etc.
- During the mining period, the deposit will be worked from the top surface up to a maximum depth 1.80 m.
- In order to avoid environmental pollution or any accidental hazards, the mining activity will be restricted to daytime only.
- Soil mining shall strictly be undertaken as per rules & regulation/ permissions obtained from District Administration/ Mining Department.

3.5.2 METHOD OF MINING

There is no use of any drilling and blasting for the soil mining, as proposed mining method is manual method.

3.5.3 WORKING DEPTH (BELOW GROUND LEVEL)

Mining will be confined to the allotted Khasra (s) only up to a maximum depth of 2.0 m from the surface.

3.6 RAW MATERIAL REQUIRED ALONG WITH ESTIMATED QUANTITY, LIKELY SOURCE, MARKETING AREA OF FINAL PRODUCT/S, MODE OF TRANSPORT OF RAW MATERIAL AND FINISHED PRODUCT

No raw material will be required.

3.7 RESOURCE OPTIMIZATION/ RECYCLING AND REUSE

Not envisaged

3.8 AVAILABILITY OF WATER ITS SOURCE, ENERGY/ POWER REQUIREMENT AND SOURCE

There will be very little requirement of water to carry out operations as it will be done manually. The water will be required either for drinking purposes. It is projected that not more than 13 laborers will be required for the proposed project. The total water requirement will be 6.0 KLD. Drinking water requirement for not more than 10 workers would be about 1 KLD, which will be met by nearby existing bore wells. The water required for dust suppression will

be taken from municipal tankers. All the activities will be carried out manually. The operation will be done in day time, hence no power will be required.

3.9 QUANTITY OF WASTES TO BE GENERATED (LIQUID AND SOLID) AND SCHEME FOR THEIR MANAGEMENT/DISPOSAL.

The entire mineral extracted is saleable. The labourers from nearby villages will be hired to carry out work in day time only, hence there will be no or very less waste is expected to generated. No liquid effluents will be generated at site.

4. SITE ANALYSIS

4.1 CONNECTIVITY

Connectivity details are given in Table-3

Table 3: Connectivity details from Proposed project site

Nearest Railway Station	Chakmakrand station about 5.41 km towards NNW direction.
Nearest Airport	Jay Prakash Narayan Airport Patna about 20.87 km in west direction.
Nearest Highway	SH-93 about 1.15 km towards north direction. NH-322 about 3.87 km towards north direction. NH-22 about 6.27 km towards west direction.

4.2 LAND FORM, LAND USE AND LAND OWNERSHIP

4.2.1 LAND FORM

The leased mine area is private land.

4.2.2 LAND USE

The existing land use pattern of the area is agricultural.

4.2.3 LAND OWNERSHIP

Thana No.	Khata No.	Khasra No.	Area (Ha.)
353	127	384, 385	3.78
	113	211	0.61
Total			**4.39**

4.3 TOPOGRAPHY

The topography of Vaishali is characterized by a plain formed by alluvium from the Ganga, Gandak, and their distributaries.

4.3.1 GEOMORPHOLOGY

The Bihar state can be broadly subdivided into three major unit's i.e., main physical subdivisions is the Northern Mountains, the Gangetic Plains and the Central Highlands. Northern Mountains comprises the Himalayan ranges including their foot hills. The Gangetic plains, situated between the Himalayas and the Deccan plateau constitute the most fertile plains of the subbasin ideally suited for intensive cultivation. The Central highlands lying to the south of the Great plains consists of mountains, hills and plateaus intersected by valleys and river plains. They are largely covered by forests. Aravali uplands, Bundelkhand upland. Malwa plateau, Vindhyan and Narmada valley lie in the region. Predominant soil types found in the subbasin are sandy, loamy, clay and their combinations such as sandy loam. loam, silly clay loam and loamy sand soils.

Geomorphologically the area may be divided into (i) Pediplain, (ii) Ridges and Valleys (iii) Flood plain and (iv) Terraced alluvial plain. The elevation of gently sloping Pedi plain varies from 100 m to 75 m above m.s.l. The Sone and Punpun are the two major rivers flowing through the western part of the district. The district comprises extensive plain formed by the alluvium brought by the Ganga, the Gandak and distributaries of Gandak. The morphology of the area has been shaped mainly by Gandak river which originates in the Himalayas in Nepal. Morphologically it can be classified into three broad categories.

1) Hazipur Surface: It is the oldest morpho-unit of the area comprising yellow-brown to brownish-grey compact clay.

2) Vaishali Surface: It overlies the Hazipur surface. This surface comprises ash-grey-sill/silt-clay/clayey-silt and has been found development on the eroded and very gently sloping Hazipur surface.

3) Diara Surface: It is the lowest and youngest geomorphic unit, which emerges from riverbed.

4.4 EXISTING LAND USE PATTERN (AGRICULTURE, NON-AGRICULTURE, FOREST, WATER BODIES (INCLUDE AREA UNDER CRZ), SHORTEST DISTANCES FROM THE PERIPHERY OF THE PROJECT TO PERIPHERY OF THE FORESTS, NATIONAL PARK, WILD LIFE SANCTUARY, ECO SENSITIVE AREAS, WATER BODIES (DISTANCE FROM THE HFL OF THE RIVER), CRZ. IN CASE OF NOTIFIED INDUSTRIAL AREA, A COPY OF THE GAZETTE NOTIFICATION SHOULD BE GIVEN.

Not Applicable

4.5 EXISTING INFRASTRUCTURE

The nearest road is SH 93 road is at a distance of approx. 1.15 km in North direction. National Highway 322 is at a distance of approx. 3.87 Km in North direction from the project site.

4.6 SOIL CLASSIFICATION

Thus Soil is the backbone of agricultural and industrial development. Soil has a number of characteristics, which may be regarded as the aggregate of the physical, chemical and biological properties. Vaishali district is characterized by a wide variety of soils which can be broadly grouped into two categories according to U.S Survey Staff in 1975.

- Entisols: They are younger alluvial soils locally known as Balsundari. They are deficient in nitrogen, phosphoric acid but generally rich in potash and lime. The Balsundari soils are generally a light friable loam with higher portion of sand and silt. The soil is most fertile and suitable for cultivation of high yielding crops like sugarcane and wheat.
- Inceptisols: Calcareous alluvial soils occur mostly in the central part and locally known as Mathivari. The percentage of both phosphoric acid and potash are higher in this region. This soil is richer in lime content and kanker than Balsundari soil. This forms the typical paddy land of Bihar.

Source: https://www.cgwb.gov.in/old website/District Profile/Bihar/Vaishali.pdf

4.7 RAINFALL & CLIMATE DATA FROM SECONDARY SOURCES

The climate of the district is sub-tropical to sub-humid. The winter temperature ranges varies from 16° C to 4° C whereas the summer temperature rises up to 40° C. The relative humidity is at its minimum during April and May and maximum during July and August. It ranges between 60 to 90%. The average annual rainfall in the district is 1168 mm. The district receives

about 85% of the total rainfall from south-west monsoon. The southwest monsoon extends from the middle of June to end of September. The district receives 50% of the rainfall during July and August month of the year.

Source: https://www.cgwb.gov.in/old website/District_Profile/Bihar/Vaishali.pdf

5. PLANNING BRIEF

5.1 PLANNING CONCEPT (TYPE OF INDUSTRIES, FACILITIES AND TRANSPORTATION ETC.) TOWN AND COUNTRYPLANNING/DEVELOPMENT AUTHORITY CLASSIFICATION.

Proposed method of mining is opencast Manual.

5.2 LAND USE PLANNING

The land of the mine lease area is applied area and there will not be charged in land use after operation. The top soil shall be scraped and preserved to spread it after mining activity is completed to restore the fertility of land. The ultimate land use of the mine lease area will not be changed. The workers will be hired locally and temporarily, no housing facility will be required.

5.3 ASSESSMENT OF INFRASTRUCTURE DEMAND (PHYSICAL & SOCIAL)

On the basis of the preliminary site visit, the infrastructure demand in the villages was assessed on the basis of need and priority.

5.4 AMENITIES/FACILITIES

Mines Office, Workshop etc. Proper site services such as First Aid, Canteen / Rest Shelter, Drinking Water, Maintenance Workshop, etc. will be provided to the mine workers. It is proposed to construct two rooms for office & rest shelter.

6. PROPOSED INFRASTRUCTURE

6.1 INDUSTRIAL AREA (PROCESSING AREA)

No infrastructure is proposed.

6.2 RESIDENTIAL AREA (NON PROCESSING AREA)

As the local person will be given employment, no residential area/ housing is proposed.

6.3 GREEN BELT

It is proposed to have plantation on un-worked areas (lease periphery or berm of about 1 m width) and along haul roads to provides cover against dust dissemination. Plantation will also be carried out as social forestry programmed in villages schools and the areas allocated by the Panchayat/ Stale Authorities. During plantation, local plant species will give preference or in consultation with local forest officials. The proponent will plant about 50 saplings on the boundary/ berm.

6.4 SOCIAL INFRASTRUCTURE

Considerable peripheral development activity as below has been taken up by company for the past years. First aid training has been regularly imparted to trainees from the neighbouring villages. The Company also distributes saplings to the local villagers as a part of social forestry.

6.5 CONNECTIVITY

The mine site is well connected via approach road of approx. 250 m, which connects to SH-93 about 1.15 km towards north direction. NH-322 is about 3.87 km towards north direction, NH-22 about 6.27 km towards west direction from the project site Chakmakrand station about 5.41 km towards NNW direction from site. Jay Prakash Narayan Airport Patna about 20.87 km in west direction from mine site.

6.6 DRINKING WATER MANAGEMENT (SOURCE & SUPPLY OF WATER)

Water for drinking and operations will be 3.37 ~ 3.40 KLD.

S. No.	Purpose	Water Requirement (KLD)
1.	Domestic Use	1
2.	Water Sprinkling	4
3.	Plantation	1
Total		**6**

6.7 SEWERAGE SYSTEM

Domestic wastewater will be treated into septic tank followed by soak pit.

6.8 INDUSTRIAL WASTE MANAGEMENT

Not Applicable

6.9 SOLID WASTE MANAGEMENT

No Waste shall be generated during mining activities. Hence, No proposal has been envisaged for its separate dumping at mine site.

6.10 POWER REQUIREMENT & SUPPLY/SOURCE

All the activities will be carried out semi mechanically. The operation will be done only from sunrise to sun set hence there is no power requirement for the project at site.

7. REHABILITATION AND RESETTLEMENT (R&R) PLAN

7.1 POLICY TO BE ADOPTED (CENTRAL/STATE) IN RESPECT OF THE PROJECT AFFECTED PERSONS INCLUDING HOME OUSTEES, LAND OUSTEES AND LANDLESS LABORERS (A BRIEF OUTLINE TO BE GIVEN).

The resettlement and rehabilitation is not applicable.

8. PROJECT SCHEDULE & COST ESTIMATES

8.1 LIKELY DATE OF START OF CONSTRUCTION AND LIKELY DATE OF COMPLETION (TIME SCHEDULE FOR THE PROJECT TO BE GIVEN)

The project activity will be taken up in parallel along with the opening of mine, after the Environmental Clearance is granted.

8.2 ESTIMATED PROJECT COST ALONG WITH ANALYSIS IN TERMS OF ECONOMIC VIABILITY OF THE PROJECT

The estimated project cost is Rs 30 Lakhs.

EMP Budget

S. No.	Description	Capital Cost Rs. in Lakh (Rs.)	Recurring Cost Rs. in Lakh (Rs.)

1	Dust suppression (Water tanker, sprinkler)	0.50	0.50
2.	Pollution Monitoring • Air • Water • Soil • Noise	0.30	0.30
3.	Plantation	1.00	0.50
4.	Construction and maintenance of haul road	1.00	0.50
Total		**2.80**	**1.80**

9. ANALYSIS OF PROPOSAL (FINAL RECOMMENDATIONS)

9.1 FINANCIAL AND SOCIAL BENEFITS WITH SPECIAL EMPHASIS ON THE BENEFIT TO THE LOCAL PEOPLE INCLUDING TRIBAL POPULATION, IF ANY, IN THE AREA

The project will bring economical benefits to the state by the way of royalty for mineral and people by the way of direct and secondary employment opportunities.

This project operation will provide livelihood to the poorest section of the society. It provides employment to the people residing in vicinity directly or indirectly by the project.

ENVIRONMENTAL MANAGEMENT PLAN

Environmental Management measures for general Impacts are below

This section recommends the management measures needed to prevent minimize and mitigate the general impacts arising in operation phase as shown in **Table 1 below:**

Table 1: EMP for the general anticipated impacts

1. Mining Activity					
Activity	**Impact**	**Duration / Extent**	**Magnitude**	**Mitigation Measures**	**Responsibility**
Excavation	Removal of fertile top soil	Temporary	Moderate	Fertile top soil will be stored temporarily and will later be used for making bund walls around excavation plot.	Project Proponent
	Pit formation due to excavation	Temporary	Moderate	• Mining operations will be carried out as per mining rules systematically and scientifically. • Mining operations will be carried out on a slope of 45° making terraces/benches. The height of the bench not more than 15 mt and width of the bench more than height of the bench. • Stabilization of slope will be done by planting species having extensive root system, so as to bind the soil. • Species will be planted across the slope so as to arrest the soil movement, due to wind and water erosion. • Species planted will be Ficusreligosa (pipal),	Project Proponent

				Azadirachtaindica (Neem), Ficusglomer ata (Gular), Dalbergiasisso (Shisham) and Syzygium cumin (Jamun) may also be recommended, Mangiferaindica (Aam), Emblicaofficinalis (Anwala), Aeglemarmerlos (Ibei).	
	Siltation of fertile soil from adjoining farms into the pit formed	Temporary	Moderate	• Loss of fertile top soil from adjoining farms will be arrested by the bund wall. • Plantation of bio vegetative species along the bund wall to act as a fence. • Stabilization of slope by planting soil-binding species.	Project Proponent
	Change of land use from agricultural to mining	Temporary	Moderate	• Mining will be done as per the mining rules, sustainably and scientifically. • Mining will be done only after obtaining lease from land owner. • It is temporary (for a period of 5 years) and reversible. • Agricultural practices will be resumed after mining. • Mining will be done only up to a depth of 2m.	Project Proponent
	Fugitive dust emissions and suspension of dust in air	Temporary	Moderate	• Dust suppression measures like spraying / sprinkling of water to keep the surface wet. • Plantation on bund walls will act as dust. • No drilling or blasting proposed. • No boiler/ D.G. Sets proposed. • Mining to be done at day time only	Project Proponent
	Noise generation due to mining	Temporary	Moderate	• No heavy machinery is proposed for the extraction of soil, operational is manual.	Project Proponent

				• Suitable noise barriers will be provided.	
	Impact on Ground Water	Temporary	Moderate	• Mining will be restricted up to a depth of 2 m. • Mining will have no impact on water table. • Drinking water (0.3 KLD) for hired labours (not more than 30) will be brought from existing bore wells from adjoining areas. • Pit formed will have a positively significant impact as it would facilitate faster percolation of water.	Project Proponent
	Impact on Surface Water	Nil	Nil	• No surface water body is present within 500 m radius of excavation plot.	Project Proponent
	Disturbance to microbial flora and fauna, avifaunal migration or migratory routes of domesticated cattle.	Temporary	Moderate	• Top soil (up to a depth of 6 inches) will be excavated and stored under tarpaulin sheets, and will be used later for making bund walls. Hence the microbial flora and fauna will be restored while bunding. • There is no migratory route of avifauna or grazing route of domesticated animal is reported, hence there will be no impact anticipated. • Mining operation will be carried out during day time	Project Proponent
	Generation of employment	Temporary	Moderate	• The proposed project will generate employment opportunities to all the section of people, locally. • Will improve the livelihood condition of the nearby areas by providing employment opportunities.	Project Proponent

	Occupational health of labors	Temporary	Significant	• Predominantly mining activities should be manual, using hand to avoid accidental hazards. • Labors will have access to basic first aid (first aid –box) facility on site. • Anti venom will be provided in case of snake bites. • Awareness on safety and ensure using of personal protective equipment's (PPE) by workers like nose masks to respiratory disorders.	Project Proponent
Transportation of quarried soil	Impact on adjoining farms	Temporary	low	• Casting / drying will be done on excavation site to prevent dust emissions along haulage route • Cast bricks will be transported to brick kiln through tractor trolleys or carts. • Vehicular exhaust will be minimised by using PUC certified vehicles and planting dust barrier species along chak roads. • Tractor trolleys/ carts will use the existing route for to and fro movements and no additional haulage route shall be formed. • Hence, no impact on adjoining farms anticipated	Project Proponent
	Impact on crop yield/ quality and	Temporary	low	• Only fugitive dust emissions may occur due to transportation activity which will be minimized by using:	Project Proponent

	productivity in adjoining farms			1. Tarpaulin cover over tractor trolleys/ carts 2. Dust suppression measures like spraying/sprinkling of water to keep the surface wet 3. Provision of the dust barriers along haulage route 4. Plantation of soil binding species such as bamboos, euphorbia, agave etc.	
	Impact on existing traffic	Temporary	low	Cast bricks will be carried off to brick kiln through tractor trolley/ carts through village path roads. • There is no existing traffic on village chak roads, so no impact predicted on existing traffic.	Project Proponent
	Impact on air environment	Temporary	Moderate	• Fugitive dust emissions and vehicular emissions from tractor trolleys may occur due to transportation activity which will be minimized by using: 1. Tarpaulin cover over tractor trolleys/ carts 2. PUC certified tractors will be employed 3. Dust suppression measures like spraying/sprinkling of water to keep the surface wet 4. Provision of the dust barriers along haulage route 5. Plantation of soil binding species such as bamboos, euphorbia, agave etc.	Project Proponent
	Impact on noise environment	Temporary	Moderate	• Carts or tractor trolleys will be employed on village roads. • fitness certified vehicles will be used after obtaining	Project Proponent

				pollution under control certificate • Timely maintenance of vehicles and their silencers to minimize vibration and sound. • Care will be taken to produce minimum sound during loading. • Noise barriers in form of plantations will be done at haulage roads.	
	Impact on occupational health of labors	Temporary	Moderate	• Labors will have access to basic first aid (first aid –box) facility on site. • Anti venom will be provided in case of snake bites. • Awareness on safety and ensure using of personal protective equipment's (PPE) by workers nose masks to avoid respiratory disorders. • The workers will be trained on using personal equipment's as a precautionary measure & thereby preventing any infectious diseases.	Project Proponent

ANNEXURE 1

जिला खनन कार्यालय, वैशाली

पत्रांक..... /एम0, दिनांक.....

सेवा में,

Shri Upendra Mahto
S/o Vanarsi Mahto
At- Maile Chowk, Bhairopur Deodhi,
Vaishali, Bihar-844102

विषयः– **खनन योजना (Mining Plan)** अनुमोदन के संबंध में।

महाशय,

उपर्युक्त विषय के आलोक में कहना है कि वैशाली जिलान्तर्गत राघोपुर अंचल के मौजा– वरियारपुर, थाना संख्या–353 खाता संख्या–127, 113 खेसरा संख्या–384, 385, 211 रकबा 4.39 हेक्टेयर में लघु खनिज साधारण मिट्टी के खनन हेतु प्रस्तुत खनन योजना का अनुमोदन संयुक्त सचिव, खान एवं भूतत्व विभाग, बिहार, पटना के पत्रांक– 4156/एम0, दिनांक 27.12.2016 के आलोक में निम्न शर्तों के साथ अनुमोदन किया जा रहा है।

1. खनन योजना का अनुमोदन 73,093 घन मी0 एक वर्ष तक साधारण मिट्टी के उत्पादन हेतु अनुमान्य किया गया है।
2. खनन कार्य से पूर्व संबंधित जिला खनन कार्यालय में रॉयल्टी जमा कर खनन की अनुमति लेना अनिवार्य है।
3. खनन कार्य हेतु सम्बंधित विभागों/संस्थाओ से अनापत्ति पत्र आवश्यक होगा।
4. साधारण मिट्टी खनन की गहराई सतह से 02 मीटर से अधिक नही होगा।
5. खनन कार्य ग्राउण्ड वाटर लेवल से कम से कम 02 मीटर उपर तक ही सीमित रखा जाएगा।
6. प्रस्तावित उत्खनन की गइराई के कम से कम आधे के बराबर चौड़ाई रखने वाले सटे मैदानों की सीमा से पटरी छोड़ दी जाएगी।
7. ईंट निर्माण, पथ निर्माण, तटबंध निर्माण आदि के प्रायोजनार्थ ईंट मिट्टी और साधारण मिट्टी के खनन/ उत्खनन से संबंधित किया–कलाप में विस्फोटक का प्रयोग नहीं होगा।
8. खनन/ उत्खनन संबंधी किया–कलाप कार्य क्षेत्र के सामान्य जल निकासी के प्रतिरूप (पैटर्न) को परिवर्तित नही करेगा।
9. खोदे गए/ उत्खनित गड्ढा (पिट) को परियोजना प्रस्तावक द्वारा उपयोगी प्रयोजन (प्रयोजनों) के लिए पुनः स्थापित किया जाएगा।
10. खोदे गए/ उत्खनित गड्ढा के चारों ओर समुचित घेराबंदी कर दी जाएगी, ताकि किसी दुर्घटना से बचा जा सके।

जिला खनन कार्यालय वैशाली

11. ढुलाई के दौरान खोदी गई/ उत्खनित मिट्टी के फैलने से धूल उत्सर्जन को रोकने के लिए उपाय किए जाएगें।

12. मिट्टी के खनन/ उत्खनन के कारण सृजित जल निकायों में रोग वाहकों (बैक्टर) के प्रजनन के कारण स्वास्थ्य खतरों के विरूद्ध सुरक्षा मानक अपनाये जाएंगे।

13. कामगारों/ मजदूरों को पेयजल और सफाई संबंधी सुविधाएँ प्रदान की जाएँगी।

14. किसी उत्खनन क्षेत्र की परिधि से किसी आर्सेनिक संरचना की दूरी कम से कम 15 मीटर रखी जाएगी।

15. राष्ट्रीय पार्कों और वन्य प्राणी अभ्यारण्य की सीमा के 1 किलोमीटर के अन्दर उत्खनन के क्षेत्र के मामले में ईंट मिट्टी अथवा साधारण मिट्टी के खनन/ उत्खनन की अनुमति नहीं दी जाएगी।

16. खनन योजना में खनन कार्य बेंच बना कर किया जाएगा जिसकी अधिकतम उँचाई 2 मी0 एवं चौड़ाई कम से कम 3.0 मीटर होनी चाहिए।

17. खनन कार्य के दौरान निकाले गये टॉप स्वायल को व्यवस्थित रूप से एकत्रित कर रखा जाएगा, जिसे खनन कार्य समाप्त होने के उपरान्त उसी क्षेत्र में फैला दिया जाएगा।

18. खनन योजना में वर्णित भूमि के स्वामित्व तथा भूस्वामियों की सहमती से संबंधित अभिलेखों की पूष्टि करा लिया जाना अपेक्षित होगा।

19. भविष्य में किसी प्रकार की कोई भी गलती खनन योजना अथवा कार्य में पायी जाएगी तो खनन योजना स्वतः निरस्त माना जाएगा।

S/O
खनिज विकास पदाधिकारी,
जिला खनन कार्यालय,
वैशाली।

ज्ञापांक .....1238..../एम0, दिनांक 20/11/24

प्रतिलिपिः– निदेशक, खान एवं भूतत्व विभाग, बिहार पटना को सूचनार्थ प्रेषित।

प्रतिलिपिः– M/S PRANEJA ENVIROCARE & MANAGEMENT PVT. LTD., ASHIYANA, KHAJPURA, PATNA-800014 को सूचनार्थ प्रेषित।

20/11/24
खनिज विकास पदाधिकारी,
जिला खनन कार्यालय,
वैशाली।
20/11/24

Mining Plan
&
Mine Closure Plan

Minor Mineral- Soil/Earth

Submitted under rule (17) of Bihar Minerals (Concession, Prevention of Illegal Transportation & Storage) Rules, 2019 amended till date

(Category-B2 as per EIA notification 2006 amended till date)

MAUZA-WARIYARPUR, BLOCK- RAGHOPUR, DISTRICT- VAISHALI (BIHAR)

Total Lease Area: 4.39 Ha. (10.87 acres)

Plan Period: 1 Year

20/11/24
APPROVED
Mineral Development Officer
Vaishali
Vide Letter No. 1238 Date 22/11/24

Applicant

Mr. Upendra Mahto
S/o Vanarsi Mahto
At- Maile Chowk, Bhairopur Deodhi,
Vaishali, Bihar-844102

Prepared by

M/s Praneja Envirocare & Management Pvt. Ltd.
Ground, Opp. Vamika Apartment,
Near Passport Office, Ashiyana,
Khajpura, Patna-800014 (Bihar)
Ph. 0612-2581824, 9708251824
email: - pemanagementindia@gmail.com
RQP: Sl. No.-30/ M.No. - 3825 DT. 07.11.2019

CERTIFICATE

I **Upendra Mahto** S/o Vanarsi Mahto resident at- Maile Chowk, Bhairopur Deodhi, Vaishali, Bihar-844102, the lease/land holder of Soil Mining project for Soil (Mineral) over **4.39 Hectares**, in **Wariyarpur mauza in Raghopur block of Vaishali district** hereby solemnly affirm that the plans and programs in this Mining Plan will be scrupulously implemented by me/us and I/We will be strictly held responsible for any deviation thereof. I/We also hereby certify that the provisions of Mines and Minerals (Development and Regulation) Act 1957, and along with the provisions of Bihar Mineral (Concession, Prevention of Illegal Mining, Transportation and Storage) Rules, 2019 and subsequent amendment will be strictly adhered to while implementing this Mining Plan and wherever specific permissions will be required. I/We will approach the concerned authorities of Director, Mines & Geology, Government of Bihar as the case may be.

Upendra Mahto
(Authorized Signatory)

Date:
Place:

AUTHORISATION LETTER BY THE APPLICANT

I, **Upendra Mahto** S/o Vanarsi Mahto resident at- Maile Chowk, Bhairopur Deodhi, Vaishali, Bihar-844102 hereby do authorize M/s. Praneja Envirocare & Management Pvt. Ltd, RQP to prepare the Mining Plan submitted under the notification of Ministry of Environment, Forest and Climate Change & Rule No 17 of Bihar Minerals (Concession, Prevention of Illegal Mining, Transportation & storage) Rules 2019 amended till date in respect of ***Thana No.-353 Khata No.- 127, 113 Khasra No.- 384, 385 & 211 at Mauza- Wariyarpur, Block- Raghopur, District- Vaishali, Bihar***

I request The Directorate, Mines and Geology, Bihar government to make further correspondence regarding Mining Plan to answer your query and clarification to the RQP. He is also authorized to collect approved mining plan.

Name of RQP: **M/s. Praneja Envirocare & Management Pvt. Ltd, Memo No. – (Sl. No.- 30/ M. No.- 3825 DT. 07.11.2019 of Dept. of Mines & Geology, Govt. of Bihar).**

1. **Ravi Shankar (Mining Engineer),**
   Mob-748509640
2. **Praveen Kumar Roy (Mining Engineer)**
   Mob: 9708251824,

Adress: Ground Floor, Opp. Vamika Apartment,
Near Passport Office, Ashiyana,
Khajpura, Patna-800014 (Bihar
Email ID : pemanagementindia@gmail.com

Upendra Mahto
(Authorized Signatory)

Date:
Place:

CONTENT

SL.NO.	PARTICULARS
1.	Introduction
2.	Project Description
3.	Location, General and Accessibility
4.	Geology & Exploration Topography
5.	Mines & Mining Method
6.	Drilling and blasting
7.	Mine Drainage System
8.	Stacking of Mineral Rejects and Waste Disposal Arrangements
9.	Anticipated Environmental Impacts, Mitigation Measures and Environmental Management Plan
10.	Mine Closure Plan

LIST OF ANNEXURES

SL. NO.	TITLES
1	Consent & Declaration
2	Copy Of RQP Certificate
3	I.D. of Applicant
4	Copy Of Land Agreement / Deed/ Revenue Receipt
5	Location Map/Cadastral Map/ Khasra Map
6	Map & Plates

CHAPTER-1

1. INTRODUCTION

<table>
<tr><td>1.1</td><td>Applicant Name & Full address

Contact No. & E-mail ID</td><td>Mr. Upendra Mahto
S/o Vanarsi Mahto
At- Maile Chowk, Bhairopur Deodhi,
Vaishali, Bihar-844102
Mob: +919931793536
Email ID:</td></tr>
<tr><td>1.2</td><td>Applicant's post/social status</td><td>Individual</td></tr>
<tr><td>1.3</td><td>Mineral or Minerals which the applicant intends to mine</td><td>Earth/ Soil</td></tr>
<tr><td>1.4</td><td>Applied area for mining lease</td><td>Mauza- Wariyarpur, Block- Raghopur, District- Vaishali (Bihar)
<table>
<tr><td>Thana No.</td><td>Khata No.</td><td>Khesra No.</td><td>Area (Ha.)</td></tr>
<tr><td rowspan="2">353</td><td>127</td><td>384, 385</td><td>3.78</td></tr>
<tr><td>113</td><td>211</td><td>0.61</td></tr>
<tr><td colspan="3">Total</td><td>4.39</td></tr>
</table></td></tr>
<tr><td>1.5</td><td>Mineral (s) which are occurring in the area and which the applicant intend to mine</td><td>Ordinary Earth</td></tr>
<tr><td>1.6</td><td>Period for which mining lease granted/ renewed/ proposed to be applied</td><td>Validity: 1 Year</td></tr>
<tr><td>1.7.1</td><td>Name of RQP preparing the mining plan</td><td>M/s. Praneja Envirocare & Management Pvt. Ltd, Memo No. – (Sl. No.- 30/ M. No.- 3825 DT. 07.11.2019 of Dept. of Mines & Geology, Govt. of Bihar).
1. Ravi Shankar (Mining Engineer)
Mob-748509640
2. Praveen Kumar Roy (Mining Engineer)
Mob: 9708251824</td></tr>
<tr><td>1.7.2</td><td>Address</td><td>Ground Floor, Opp. Vamika Apartment,
Near Passport Office, Ashiyana,
Khajpura, Patna-800014 (Bihar)</td></tr>
<tr><td>1.17.3</td><td>Mobile Number & E-mail ID</td><td>Mob: 9708251824
Email ID: pemanagementindia@gmail.com</td></tr>
<tr><td>1.8</td><td>Name of the prospecting agency</td><td>The base data and information is collected from various geological report of the department of Mines & Geology and local authorities as well as detailed prospecting of the area is carried out by the RQP</td></tr>
<tr><td>1.9</td><td>Reference No. and date of the grant / communication received from the state Govt.</td><td>RQP certificate copy as Annexed</td></tr>
</table>

PRANEJA ENVIROCARE & MANAGEMENT PVT LTD BIHAR

CHAPTER–2

2. PROJECT DESCRIPTION

2.1. JUSTIFICATION OF PROJECT

The proposed project is a mining of earth/ Soil at ***Mauza- Wariyarpur Block- Raghopur, District- Vaishali (Bihar). The proposed project is having lease area of 4.39 Ha*** falls under Category- "B2" as per EIA Notification 14th September 2006 and subsequent amended, of the Ministry of Environment Forests & Climate Change, New Delhi.

The proposed production capacity of soil/ earth is **73,093 cum (1,11,832 tones) for 1 year**. The proposed area is Rayati property. **(Land documents enclosed)**.

Earth shall be excavated and used for sale/commercial purpose, thus as per notifications prior environment clearance is required. **(Affidavit Enclosed)**

It is for this purpose that 'Mining Plan' is being drawn so that all its aspects are taken care of justifiably, according to law, protecting the environment, removing all adverse impacts and creating a direct and indirect employment opportunities, improving socio- economic conditions of the local inhabitants and all-around status of life, achieving thereby a sustainable development.

2.2 BACKGROUND OF THE PROJECT

The Department of Mines & Geology, Bihar required under Bihar Minor Mineral (Concession, Prevention of illegal mining, transportation and storage) Rules, 2019. The general conditions of mining lease for minor minerals are mentioned here below:

- ✓ Under rule 17(4) Approval and submission of mining plan- All mineral concession holder or the government/corporation as the case may be shall submit a mining plan duly prepared by an RQP and approved by the Director or any officer/ person/ academic institution/govt. agency authorized by the dept. in this regard within a period of three months from the date on which communication regarding grant of mineral concession is received or such other period as my be decided/ allowed by the dept. for the submission of the approved Mining Plan.
- ✓ While preparing the Mining Plan, proper attention has been paid to ensure that the relevant provisions under MMDR Act-1957, MMR-1961, and Mines Act-1952 & Mines Rule- 1955 have been followed. All safety measures, provided in the statue, will be taken into consideration. On 17-09-2019 Bihar govt. took its policy decisions vides notification no -4/v.Mu-20-93/ 18-3174/M. That all Mining Lease/Settle under rule 17 of the said rules, the Lessee shall submit a Mining Plan with Progressive Mine Closure Plan for approval to the competent officer, Department of Mines & Geology, Bihar.
- ✓ Mining operation to be in accordance with Environmental Clearance.
- ✓ For baseline data assistance has been taken from the data, available from local authority.

2.3 RESTRICTED AREAS FOR EARTH QUARRYING

I. The activity associated with mining / excavation of brick earth and ordinary Soil / earth for purpose of brick manufacturing, construction of roads, embankments etc. shall not involve blasting.
II. The mining / excavation activity shall be restricted to a maximum depth of 3m below normal ground level at the site.
III. The mining / excavation activity shall be kept above the ground water table at the site.
IV. The mining / excavation activity should not alter the natural drainage pattern of the area.
V. The mined/ excavated pit shall be restored by the project proponent for useful purpose(s).
VI. Appropriate fencing all around the mined / excavated pit shall be made to prevent any mishap.
VII. Measures shall be taken to prevent dust emission by covering of mined /excavated earth during transportation.
VIII. Safeguard shall be adopted against health risks on account of breeding of vectors in the water bodies created due to mining/ excavation of earth.
IX. Workers / laborers shall be provided with facilities for drinking water and sanitation.

PRAMEA ENVIRO CARE MANAGEMENT PVT LTD * BIHAR

X. A berm shall be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.

XI. A minimum distance of 15 m from any civil structure shall be kept from the periphery of any excavation area.

XII. No mining of earth / excavation of brick earth or ordinary earth shall be permitted in case the area of mining excavation is within 1km of boundary of national parks and wild life sanctuaries:

CHAPTER–3

3. LOCATION, GENERAL AND ACCESSIBILITY

3.1 LOCATION

(a) Details of the area

<table>
<tr><td>(i)</td><td>Lease-hold area</td><td></td></tr>
<tr><td></td><td>Location</td><td>
Mauza- Wariyarpur, Block- Raghopur, District- Vaishali (Bihar)
<table>
<tr><th>Thana No.</th><th>Khata No.</th><th>Khesra No.</th><th>Area (Ha.)</th></tr>
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<tr><td>113</td><td>211</td><td>0.61</td></tr>
<tr><td colspan="3">Total</td><td>4.39</td></tr>
</table>
Geo-Coordinates of the project sites
<table>
<tr><td rowspan="4">Block-A</td><td>A</td><td>25°38'50.13"N</td><td>85°17'42.19"E</td><td rowspan="4">3.78 Ha.</td></tr>
<tr><td>B</td><td>25°38'51.44"N</td><td>85°17'40.11"E</td></tr>
<tr><td>C</td><td>25°38'35.27"N</td><td>85°17'30.19"E</td></tr>
<tr><td>D</td><td>25°38'34.16"N</td><td>85°17'32.06"E</td></tr>
<tr><td rowspan="4">Block-B</td><td>A</td><td>25°39'2.69"N</td><td>85°17'27.33"E</td><td rowspan="4">0.61 Ha</td></tr>
<tr><td>B</td><td>25°38'55.82"N</td><td>85°17'23.47"E</td></tr>
<tr><td>C</td><td>25°38'58.05"N</td><td>85°17'23.56"E</td></tr>
<tr><td>D</td><td>25°39'3.10"N</td><td>85°17'26.36"E</td></tr>
<tr><td colspan="4">Total</td><td>4.39 Ha.</td></tr>
</table>
</td></tr>
<tr><td>(ii)</td><td>Mining Lease Map</td><td>Mining lease Google Map is attached</td></tr>
<tr><td>(iii)</td><td>District & State</td><td>Vaishali district of Bihar</td></tr>
</table>

(b) Key plan of area: -

Key plan of the site.

Total mining area is completely outside of any restricted or protected area by any state or central government.

3.2 GENERAL

(a) Mineral being worked	Soil/Earth
(b) Period of Mining Lease	1 Year from the date of execution
(c) Category of Land used	Raiyati Land
(d) Range of Block Proposed area	**Area 4.39 Ha**
(e) Existing pits	There is no pit available in the proposed Applied Area.

3.3 ACCESSIBILITY

Vaishali is one of the 38 districts of Bihar. The name derives its name from King Vishal. Even before the advent of Buddhism and Jainism, Vaishali was the capital of the vibrant Vajji confederation, since before the birth of Mahavira (c. 599 BC), which suggests that it was perhaps the first republic in the world, like those later found in ancient Greece. In that period, Vaishali was an ancient metropolis and the capital city of the republic of the Vajji confederation of Mithila, which covered most of the Himalayan Gangetic region of present-day Bihar.

TRANSPORT FACILITIES

Hajipur is the head quarter of Vaishali district and it is the main market for sand business. Due to high demand, often sand from Ganga, Gandak and other rivers are transported to Patna and other districts to fulfil the demand.

Nearest major roads are SH-74 and SH-93 are situated in the eastern direction of Gandak River and northern direction of Ganga River respectively. NH-19, NH-103 and NH-77 are situated in the northern direction of

Ganga River. Hajipur junction railway station is the major railway station and Jay Prakash Narayan International Airport is the nearest airport to the Vaishali district.

LOCATION MAP OF THE MINE AREA



CHAPTER-4

4. GEOLOGY & EXPLORATION TOPOGRAPHY

4.1 GEOLOGY

LOCAL GEOLOGY

The area comprises thick quaternary sediments ranging in age from Pleistocene to recent and are classified into three stratigraphic units such as (i) Sonpur/Hajipur formation, (ii) Vaishali formation and (iii) Diara formation. Sonpur/Hajipur formation comprises clayey sediments of the oxidized older alluvium of Pleistocene to early Holocene age. Vaishali formation represents the unoxidized silty deposits of middle to late Holocene age. Diara formation constitutes sand, silt and clay deposits of recent times confined within the firm banks of the rivers as well as sandy deposits in channel and point bars.

Lithology	Geological Unit	Age	Nature
Loose sand, silt, loam and their admixtures/fine to coarse sand	Diara formation	Late Holocene	Flat or gentle slope; soft unconsolidated Quaternary sediments mostly inundated in rainy season, bank erosion and redeposition
Unoxidised clayey silt or sandy silt	Vaishali formation	Middle to Late Holocene	Gentle slope; unconsolidated sediments prone to flooding in rainy season
Oxidised brownish yellow silty clay impregnated with caliche	Sonpur/Hajipur formation	Pleistocene to Early Holocene	Consolidated compact Quaternary sediments

REGIONAL GEOLOGY

Regionally, the area constitutes a part of the Ganga River Basin. The north-eastern part is predominantly characterized by sedimentary lithology in the Sub-Himalayan zone comprising Subathus, Dagshais, Kasaulis and Siwaliks. A general Regional stratigraphic sequence of the area is given below.

Geologically, it represents nearly two third of Bihar is under cover of Ganga basin composed of alluvium and masks the nature of basement rocks.

Geological succession and their Geographic distribution

Age	Geology	Geography
Quarternary	Alluvial deposits (Sand/ Clay, Silt, fragments)	North Bihar plain & Centre Bihar Plan
Tertiary	Sand, Stones and Clay stones	North Champaran Hills
Gondwana	Coal Measures forming a series of small outlier basins	Banka district
Vindhyans	Sand, stones shales, Limestone etc.	Geography part of Bhabhua and Rohtas district
Satpura	Schist, Phyllite, Quartzite	Part of Aurangabad, gaya, Nawada, Nalanda, Sheikhpura and Munger districts of Bihar
Proterozoic	Mica Schist, amphi-Bolitr, quartzite, Granite, dolerite and pegmatite	Nawada Jamui & Banka
Achaean	Gneisses, Granite, Schist, phyllite, amphibolite, quartzite and intrusive all metamorphosed Sedimentary and Igneous rocks	Parts of Aurangabad, Gaya, Nawada, Jamui, Banka and Bhagalpur

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Nearly two third of Bihar is under cover of Ganga herein compared of alluvium and marks the nature of basement rocks.

4.2 PHYSIOGRAPHY

- **General Landforms:** The district constitutes a flat-landscapes sloping gently towards southeast and belongs to the Ganga River basin; the western fringe being a part of Gandak sub-basin and the whole eastern part under the Burhi Gandak subbasin. The highest elevation is 51 m and the lowest 46 m amsl. The area may be classified into two major geomorphic units: recent flood plain and older flood plain with palaeo levee complexes, the former represented by diara Formation and later by Vaishali Formation and Sonpur/ Hajipur Formation.
- **Soil and rock pattern:** Vaishali district is characterized by a wide variety of soils which can be broadly grouped into two categories according to U.S Survey Staff in 1975.
    1) Entisols: They are younger alluvial soils locally known as Balsundari. They are deficient in nitrogen, phosphoric acid but generally rich in potash and lime. The Balsundari soils are generally a light friable loam with higher portion of sand and silt. The soil is most fertile and suitable for cultivation of high yielding crops like sugarcane and wheat.
    2) Inceptisols: Calcareous alluvial soils occur mostly in the central part and locally known as Mathivari. The percentage of both phosphoric acid and potash are higher in this region. This soil is richer in lime content and kanker than Balsundari soil. This forms the typical paddy land of Bihar.

4.3 GEOMORPHOLOGY

The Bihar state can be broadly subdivided into three major unit's i.e., main physical subdivisions is the Northern Mountains, the Gangetic Plains and the Central Highlands. Northern Mountains comprises the Himalayan ranges including their foot hills. The Gangetic plains, situated between the Himalayas and the Deccan plateau constitute the most fertile plains of the subbasin ideally suited for intensive cultivation. The Central highlands lying to the south of the Great plains consists of mountains, hills and plateaus intersected by valleys and river plains. They are largely covered by forests. Aravali uplands, Bundelkhand upland, Malwa plateau, Vindhyan and Narmada valley lie in the region. Predominant soil types found in the subbasin are sandy, loamy, clay and their combinations such as sandy loam, loam, silty clay loam and loamy sand soils.

Geomorphologically the area may be divided into (i) Pediplain, (ii) Ridges and Valleys (iii) Flood plain and (iv) Terraced alluvial plain. The elevation of gently sloping pediplain varies from 100 m to 75 m above m.s.l. The Sone and Punpun are the two major rivers flowing through the western part of the district.

The district comprises extensive plain formed by the alluvium brought by the Ganga, the Gandak and distributaries of Gandak. The morphology of the area has been shaped mainly by Gandak river which originates in the Himalayas in Nepal. Morphologically it can be classified into three broad categories.

1) Hazipur Surface: It is the oldest morpho-unit of the area comprising yellow-brown to brownish-grey compact clay.

2) Vaishali Surface: It overlies the Hazipur surface. This surface comprises ash-grey-silt/silt-clay/clayey-silt and has been found development on the eroded and very gently sloping Hazipur surface.

3) Diara Surface: It is the lowest and youngest geomorphic unit which emerges from river bed. The diara surface has come into existence after the

4.5 FOREST

There is no forest in Vaishali district of Bihar

4.6 VEGETATION:

There is no vegetation in the proposed area.

4.7 SOILS

The district is an extensive plain formed by the rich alluvial soil brought down by several rivers and streams Soil/Earth is unanimously spread over the area. inceptisols and entisols are major soil in the district. There is no need of prospecting work. As mentioned, the thickness of top soil is considered up to 0.15 m. The depth of suitable earth excavation is considered 2 m bgl. Earth mining is being proposed up to a short depth of 2 m from the surface level. Once soil removed, no excavation will be carried in future. Hence, no need of a proposal of future prospecting.

4.8 MINERAL RESERVES

Earth reserves have been estimated as per the standard procedures. The area of mining land in around **1.76 Ha.** and the **average thickness of mineral (2 m)** are multiplied to get the volume. 10% area wise left for 1 m wide berm all along the periphery of mining land to get the available for actual mining. About 10% mining losses reserves blocked due to slope has been considered to get the mineable quantity. Detail of calculation is given ahead:

Mauza	Area in Ha	Area in Sq. m	Max^{m} depth (m)	Area of Berm left (10%)	Area Considered for Mining in Sq. m	Top soil in cubic meter	Reserves In cubic meter	
							Geological reserve	Mineable reserve
Wariyarpur Block-A	3.78	37800	2	3780	34020	5670	75600	62937
Wariyarpur Block-B	0.61	6100	2	610	5490	915	12200	10156.5
Total	**4.39**	**43900**	**2**	**4390**	**39510**	**6585**	**87800**	**73093.5 or say 73093**

4.9 CLASSIFICATION OF RESERVES

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

UNFC is a three-digit code-based system, the Economic viability axis representing the first digit, the Feasibility axis the second digit and the Geologic axis the third digit. The three categories of Economic viability have codes 1, 2 and 3 in decreasing order; similarly, the three categories of Feasibility viability have also codes 1, 2 and 3 while the four stages of geological assessment are represented by four codes i.e., 1 (detailed exploration), 2 (general exploration), 3 (prospecting) and 4 (reconnaissance). Thus, the highest category of resources under UNFC system has the code (111) and for lowest category the code is (334).

40. GEOLOGICAL RESERVES

Particulars	Unit	
Total Area available for mining (As per document)	43900	Sq.m
Average Thickness considered	2	M
Total Volume of Mineral (Earth)	87800	Cum
Total Geological Reserves (Earth)	87800	Cum

4.11 MINEABLE RESERVES

Particulars	Unit	
Total Area available for mining (As per document)	43900	Sq.m
Peripheral Strip Area (Area wise 10% of total area)	4390	Sq. m
Minable area	39510	Sq. m
Thickness of top soil	0.15	M
Total top soil	6585	Cum
Average Thickness considered for mining	1.85	M
Total Mineable Reserves	73093	Cum
Maximum production proposed In tones (volume x 1.53 ton/m^3)	**73,093** **1,11,832**	Cum Tons

The geological reserves have been for individual block. Geological reserves have been completed through cross sectional area method. The area of each section line is multiplied by strike influence to get the volume.

4.12 LIFE OF MINE

Life of mine is up to **1 year**. During this period **73,093 cum** of earth shall be excavated and use for land filling work (Commercial) (Affidavit enclosed) which require prior environment clearance.

CHAPTER – 5

MINES & MINING METHOD

5.0 MINING

Mining will be done as per the guideline of **Bihar Mineral (Concession, prevention of illegal mining, Transportation & Storage) Rules, 2019**

- → This is an open-cast mining project. The operation will be carried semi- mechanized. The earth/soil will be collected in its existing form.
- → Mining will be carried out only up to depth of 2 m bgl of above ground water level (whatever is less).
- → No drilling/ blasting is required as the material is loose in nature
- → Proper benching of 1 m height and 6-meter width will be maintained for mining block as per guideline M.M.R.-1961, under rule, 106.
- → Mining will be done only during the day time and completely stopped during the monsoon period.

5.1 RESTRICTION ON MINING

I. The activity associated with mining / excavation of brick earth and ordinary clay / earth for purpose of brick manufacturing, construction of roads, embankments etc. shall not involve blasting.

II. The mining / excavation activity shall be restricted to a maximum depth of 3m below normal ground level at the site.

III. The mining / excavation activity shall be kept above the ground water table at the site.

IV. The mining / excavation activity should not alter the natural drainage pattern of the area.

V. The mined/ excavated pit shall be restored by the project proponent for useful purpose(s).

VI. Appropriate fencing all around the mined / excavated pit shall be made to prevent any mishap.

VII. Measures shall be taken to prevent dust emission by covering of mined /excavated earth during transportation.

VIII. Safeguard shall be adopted against health risks on account of breeding of vectors in the water bodies created due to mining/ excavation of earth.

IX. Workers / laborers shall be provided with facilities for drinking water and sanitation.

X. A berm shall be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.

XI. A minimum distance of 15 m from any civil structure shall be kept from the periphery of any excavation area.

XII. No mining of earth / excavation of 'brick earth' or ordinary earth shall be permitted in case the area of mining excavation is within 1km of boundary of national parks and wild life sanctuaries:

5.2 PROPOSEED METHOD OF MINING

The Mining will be carried out as per new minor mineral policy by Bihar Government. Only dry soil will be transported.

- → Excavation of soil/ earth will be done open cast semi- mechanized method.
- → No OB/ waste material will be produced at the mining site. The earth shall be exploited up to depth of 2 meter only through the formation of bench height 1 meter & width 6 meters. An approach road having width 6 meters and gradient 1:12 shall be provided for the movement of loaded machineries & transportation of earth. Earth/Soil shall be exploited through semi-mechanized tool & filled into tractors /Trucks and transported to road development site.
- → No drilling/ blasting are required as the material is loose in nature.
- → Proper benching of 1 m height will be maintained.
- → Roads will be properly made and sprayed by water for suppression of dust.
- → Roads in the lease area for the movement of loaded trippers/ trucks will not have slopes more than 1 in 16.

5.3 TRANSPORTATION PLAN

Dumper/Truck: -

- ✓ Every dumper /tractor will be provided with efficient brakes.
- ✓ Efficient audible warning devices will be provided with the vehicle.
- ✓ Every dumper /tractor will be under the charge of a competent person, authorized in writing by the manager.
- ✓ No person, other than the driver or his helper, if any, will ride on a dumper /tractor.
- ✓ No person will be permitted to ride in the running board of a dumper /tractor.
- ✓ The loaded dumpers /tractors will not be reversed on gradients.
- ✓ Sufficient stop blocks will be provided at every tipping point and these will be used on every occasion when material is dumped.
- ✓ Standard traffic rules shall be adopted and followed during movement of all dumpers /tractors.
- ✓ They shall be prominently displayed at relevant places in the opencast workings.
- ✓ When not in use, every dumper will be moved to and stood on proper parking places.
- ✓ No person will be permitted to work on a chassis of a dumpers /tractors, with the body in rest position, until after the dumpers /tractors body has been securely blocked-in position.
- ✓ No unauthorized person will be permitted to enter or remain in any turning points.
- ✓ While inflating tyres, suitable protective cages shall be used.
- ✓ Tyres will never be inflated by sitting either in the front or on the top of the same.
- ✓ While the vehicle is being loaded / unloaded on gradient, the same will be secured stationary by the parking brake, and other means suitably designed stopper block, which could be placed below the tyres.
- ✓ At least once in every two weeks the brakes of every dumper will be tested as below: -

Service Brake test: - The brake will be tested on a specified gradient and speed when the vehicle is fully loaded. The vehicle should stop within the specified distance when the brake is applied.

Parking brake test: - The parking brake shall be capable to hold the vehicle when it is fully loaded and placed at the maximum gradient. Maximum gradient of the roadway which is permitted only for a period of at least 10 minutes.

A record of such test will be maintained in a bound paged book and will be signed by the competent person carrying out the test. These records will be countered signed by the engineer and manager.

All vehicles shall be tested and examined once at least in every 6 months.

A notice shall be displayed outside every vehicle that "No Unauthorized Travelling Allowed".

Duties of dumpers /tractors operators: -

At the commencement of every shift, the operator shall personally inspect and test the machine, paying special attention to the following details: -

i. Tyre pressure, brakes, horn and the Lights are in working order.

ii. The driver will neither take out the machine for work nor will he work the machine unless he is satisfied that it is mechanically shown and in efficient working order.

iii. The driver will maintain a record of every inspection made in a bound paged book, kept for the purpose and shall sign every entry made their in.

iv. The driver will keep the cab window clean so to ensure clear vision at all times.

v. Driver will ensure that the gear is in neutral position before stopping the engine. He will park the vehicle

vi. In reverse gear, on level roads and down gradients.

vii. In low gear, on up gradients.

viii. The driver will negotiate downhill gradients in low gear, so that minimum of braking is required.

ix. The driver will not drive too fast, avoid distractions and drive defensively.

x. Before crossing a road / railway line he will reduce his speed looking both directions along the road or railway line and will proceed across the road or line only if it is safe to do so.

xi. The driver will not operate the dumper in reverse unless he has a clear view of the area behind the vehicle.

xii. The driver will see that the vehicle is not overloaded.

xiii. The material is not loaded in a dumper so as to project horizontally beyond the sides of its body.

xiv. The driver will not allow any unauthorized person to ride on the vehicle.

xv. When there is a poor visibility, the speed of a vehicle will be restricted in a manner that the braking distance is maintained shorter the distance of visibility.

xvi. The driver will not leave his machine during the shift. When he finishes his work, he will hand over the machine to his reliever or lock the excavator's cab.

Model traffic rules: -

Rule 1: Procedure

a. No person will drive or operate a vehicle in or about the mine unless authorized to do so for that vehicle or class of vehicle by mines manager.

b. A private vehicle will not be driven within the mine premises, unless authorized by mines manager.

c. Any driver, not regularly working in or about the mine, will get permission to enter the mine premises from the mine manager, or an official of the mine authorized for the purpose, prior to driving a vehicle within the mine premises, which will be prominently delineated.

Rule 2: Speed Limits

a. Permanent or temporary speed limits, set by the mine manager, for any area of the mine or any vehicle or class of a vehicle will be adhered to.

b. Where visibility or road conditions are poor, a driver shall reduce the speed of his vehicle to the extent necessary to maintain effective control.

Rule 3: Right of Way (Traffic Management)

a. At intersections, which are not controlled by traffic signs, all drivers should give way to the vehicle on the right, except as stated below: -

   i. All drivers will give way to emergency vehicles showing a **flashing red light.**

   ii. Vehicles being used for grading, rolling, watering and repair of roads have right of way over all vehicles except emergency vehicles. These vehicles will show an **amber flashing light**.

b. The driver of a vehicle, having right of way over another vehicle, will not endanger himself or others through insistence on that right, if this is likely to cause a collision.

Rule 4: Parking and Standing

a. A driver will not park or stand his vehicle in a position that will endanger other traffic on the mine premises.

b. A driver will not park or stand a vehicle opposite another vehicle on haul road.

c. A driver will not park or stand his vehicle within 30 meters of the working area of the mobile equipment, or where his vehicle cannot be clearly observed.

d. A driver will not park or stand his vehicle within the area of swing of the dragline without first obtaining permission from the operator.

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e. A driver, before leaving his vehicle, shall ensure that the vehicle is secure, that parking brakes have been applied, and that all implements have been lowered. If circumstances dictate that a heavy vehicle must be parked on a grade, then the wheels should be chocked, and the steering turned off centre.

f. A driver of a vehicle will. Before moving from a parked position, ensure that its path is free of any obstruction and/ or personnel.

g. A driver of a light vehicle will observe the following rules while parking his vehicle: -

- ✓ Stop engine;
- ✓ Leave vehicle in first or reverse gear;
- ✓ Apply hand brake;
- ✓ Not Park in front of or behind a heavy vehicle;
- ✓ Not Park within 30 meters radius of a Shovel/ excavator;
- ✓ Chock the wheels, if parked fencing is up or down a slope.

Rule 5: General

(a) Vehicles will not be driven over electric cables, air hoses or water lines unless these are properly protected.
(b) Seat belt will be provided for the operators' personnel safety. They are to be worn at all times while the vehicle is operating.
(c) Passenger will not be carried on any vehicle, unless seated in approved seating, or where authorized for training purposes by the mine manager.
(d) A caution signed or hazard lights are to be placed at the front and rear or any vehicle which is being towed, or which has been broken down and is obstructing the roadway.
(e) Operators and drivers are responsible for cleanliness, oil and water checks, tyres, and fuel, for the machines and vehicles under their control.
(f) Operators and drivers are responsible for ensuring that their vehicle is correctly illuminated during hours of darkness.
(g) Headlights are to be dipped when approaching other traffic or mobile equipment in working areas.
(h) All earth moving equipment will sound blast horn before moving off from parked position.
(i) No smoking or naked lights are permitted during re- fuelling and the checking of batteries.
(j) Dumpers are to be loaded in such a manner that spillage is minimized. Loads should be centralized to maximize stability. Loads, which have an excess of 1.2 meters, shall be clearly marked by a red flag during day and red light at night. All loads will be made secure for travel.
(k) The driver will make sure that the vehicle has adequate clearance, particularly when reversing, parking, passing other vehicles and units, or passing stationary and static equipment.

Rule 6: Overtaking

a. The driver of the vehicle may overtake any other vehicle with due caution, provided that
   i. The speed limit is not exceeded.
   ii. There is sufficient visibility of the road ahead.
   iii. The vehicles are the clear of any road intersection or junction.
b. No overtaking will be permitted in the vicinity of road dividers.
c. While driving behind the haul truck the driver will ensure that he is visible in the rear-view mirror until he puts off or overtake.

Rule 7: Signs

a. All signs are to be obeyed.
b. Temporary signs will be removed immediately after their need is over.

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c. Warning signs are to be noted at all times.

Rule 8: Mechanical condition of vehicles

a. The drivers of each heavy vehicle in use will at least, daily examined his machine to ensure that it is in safe working order and make a written record of his observations of such examinations.

b. The driver of any vehicle will report, to his supervisor, any defect in the vehicle as well as any damage to the vehicle are injury to himself arising out of a vehicle incident of the mine.

Traffic Study: -

The loaded & unloaded dumpers /tractors will move on the National Highway, SH or approach road for the further transportation of minerals from the lease area to other places of road development project.

Keeping in view that, the movement of dumpers /tractors may increase the traffic density of the nearest highway. A traffic Study on the present traffic scenario have been made to measure the increase PCU/hr.

5.6 EXTENTION OF MECHANIZATION

Machinery Requirement:

Machinery required for earth mining will be Back Hoe Loader and Tractor. Proposed Production of earth is 73093 cubic meter in 210 days i.e. **348** cum/day

1. Excavator & Back Hoe loader -2 for cutting and loading soil in tractor trollies
2. Tracrtor-2 for transportation of soil to the dumping site(s).
3. Dumpers-2, 9 CUM Capacity
4. Water Tanker – 1 of capacity 5000 Lt. for sprinting of water on approach road & irrigation of plants

Type of Machinery

SL NO	MACHINERY	NUMER OF MACHINERY
1	Excavator & Back Hoe Loader	2
2	Dumpers	2
3	Tractor	2
4	Water Tanker	1

Manpower Requirement:

Manpower required is as below table:

SL NO	DESIGNATION	NO OF PERSONS
1	Administrator cum supervisor	1
2	Back Hoe Loader Operator	1
3	Dumper Driver	2
4	Tractor Driver	3
5	General helper	6
TOTAL		**13**

Output Per Man Per Shift (OMS)

Total production in a day = 348 M^3

Total Manpower = 13

Hence, output per man/shift (OMS) = **348**/9 = 26.76 or say 27 M^3/Man

Diesel Consumption:

Sl. No	Machinery	Number of Machinery	Average Fuel Required/ Hour	Effective Production Hr./ Day	Total Fuel Consumption (Lt.)
1	Excavator & Back Hoe Loader	2	6	6	72
	Dumper	2	3	6	36
2	Tractor	2	1.5	6	18
3	Water Tanker	1	1.5	4	6
Total					**132**

So, Diesel consumption factor = 132 Lt./ 348=0.38 Lt.
Hence Total Diesel Requirement for Project = 0.38 x **73093**= **27775** LT
Daily Diesel requirement = 132 Lt.

CHAPTER –6

6.1 DRILLING AND BLASTING

No drilling and blasting are required in excavation of earth.

CHAPTER-7

7.0 MINE DRAINAGE SYSTEM

7.1 BASIN/SUB-BASIN, DRAINAGE: -

The Vaishali district constitutes a part of Ganga River basin. It has two sub-basins, namely Gandak sub-basin and Burhi Gandak sub-basin. The major part of the district falls under Burhi Gandak sub-basin. The Gandak is the main river flowing in the south-easterly direction and forming western boundary of the district. It disgorges in the river Ganga near Hajipur. The river Gandak does not receive any important tributary in its course. There are two important distributary channels namely the Gandaki and the Baya rivers flowing parallel to the river Gandak and discharge into the river Ganga. The Baya runs through the central part of the district in north–south direction.

7.2 HYDROLOGY

Quaternary Alluvial deposit consisting of alternate layers of sand, silt, clay, and gravel forms prolific unconfined and confined aquifer system. The unconfined aquifer system consists of sand layers with parting of thin clay layers up to a depth of 60-70 m. The clay layers at shallow depth are not regionally extensive as such the entire sequence behaves as unconfined aquifer system. The transmissivity of the aquifer varies from 1000 to 5000 m2 /day. The specific yield varies between 8-12%. The movement of ground water is in south-east direction towards the river Ganga. The aquifer is highly potential. A yield of 50- 100 m3 /hr may be obtained from a well tapping 40 m thick aquifer for nominal drawdown.

Depth to ground water level during pre-monsoon and postmonsoons for the year 2011 indicates that water level is ranges from 7.15 to 8.90 m bgl and in post-monsoon its ranges between 3.68 to 6.06 m bgl.

Exploratory drillings down to depth range of 127 to 300.15 m by CGWB at Lalganj, Hazipur and Garoul confirm presence of highly potential and thick sand & gravel layers. The zones tapped at Kohnara ranges from 86 to 248 for a total drilled depth of 300 m and the zones tapped at Lalgang ranges from 141 to 220 meter for a total drilled depth of 240 m. Due to impervious clay layers at greater depth the aquifers are semi-confined to confined in nature. The storativity value of the deeper confined aquifer is 0.13 x 10-7 and transmissivity value ranges between 621 and 5163 m2 /day. The piezometric head has been found to rest within 5 mbgl. A high discharge of more than 200 m3 /hr may be obtained from a well drilled to 300 m tapping sufficient thickness of confined aquifer.

7.3 GROUND WATER RESOURCES

Annually replenishable dynamic ground water resource of the unconfined aquifer has been estimated as on 31st march 2009 for all the blocks following GEC-1997 norm. The net annual replenishable ground water resource of the district is 71952 ham. The gross draft for all uses, (irrigation, domestic and industrial water supply) as on 31st March 2009, is 40288 ham. The allocation for 8 domestic and industrial requirements supply up to next 25 years is 8730 ham. The stage of ground water development of the district is 56%. Except the Rajapakar Block, all the fifteen blocks of district fall under safe category. The ground water can be further exploited for irrigation and other uses. Maximum ground water development is in Rajapakar block (74.7%), while minimum in Vaishali block (35.4%).

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CHAPTER-8

8.0 STACKING OF MINERAL REJECTS AND WASTE DISPOSAL ARANGEMENTS

Brief description of the arrangements made for top soil mineral rejects and waste disposal including precautions taken in selection of disposal site (s) along with their respective quantity likely to be generated.

The mining activity is being carried out in leased location. Upper 0.15m thick layer of soil has been considered as top soil which will be kept on the berm safely.

This will be dumped temporarily on the berm or earmarked place near mine working and after removing Earth the top soil will be spread over the mined-out area to restore the proposed fields or used beside the place where plantation is to be done.

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CHAPTER-9

9.0 ANTICIPATED ENVIRONMENTAL IMPACTS, MITIGATION MEASURES AND ENVIRONMENTAL MANAGEMENT PLAN

The pollution potential of the proposed project, it's possible impacts on the surrounding environment during pre-operational and operational phases and the necessary management actions proposed for control and abatement of pollution are furnished hereunder.

9.1 AIR ENVIRONMENT

Mitigation Measures for Fugitive Dust Emission:

- Tractors will be covered by tarpaulin sheet to prevent dust emission.
- Water will be sprayed after loading activity (if soil would be in dry condition).
- The dust suppression measures like water spraying will be done on the haul roads and working areas.

For Vehicular Emission

- Overloading of tractors and trolleys will be prevented.
- Vehicular emission can pose serious health hazard. During the clay/soil mining extraction, tractor would be used for transportation. Tractor comprises of diesel engine produce particles are dangerously fine of PM_{10} & $PM_{2.5}$ it is known fact that combustion of diesel generates small particulate matter, nitrogen oxides and sulphur dioxide.
- Ultra low sulphur diesel would be used in vehicle. CPCB prescribed emission Standards for the vehicle would be followed

9.2 WATER ENVIRONMENT

Mitigation measure

- Safeguards will be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing/excavation of earth by sprinkling of pesticides.
- Labourers would not be allowed to through trashes in water bodies.
- Utmost care will be taken to minimize or control oil spills or leakage from vehicles used for earth transportation.
- The washing of tractors and trolleys on the land will be avoided.
- Water Quality Monitoring for the, ground water shall be carried out seasonally to ensure that the water quality is not affected by the project activities.
- The contractor will add here all guidelines and rules for proper and scientific method of mining during the period of extracting earth/clay. Thus, the project activities shall not have any adverse effect on the physical components of the environment and therefore may not have less effect on the recharge of ground waters or affect the water quality.

9.3 LAND ENVIRONMENT

Anticipated impact

The major impact of earth/ clay mining on land is changes in landscape, land stability and soil loss. Due to continued and unscientific clay mining, pits of different dimensions would be formed in the affected areas. Some of the pits may later be covered with water to form artificial ponds. The artificial ponds created in random location due to indiscriminate clay mining may lead to land stability problems in the adjoining areas. The problem of subsidence will be aggravated in areas where the subsurface geology is with sand and clay alternations. Other impacts on land include:

- Disposal of packing materials, carried by the workers. This packing material would include used sachet / gutka /pan masala pouches. Polythene/plastic bag are by used by the workers to bring their foods etc.

Mitigation measures

- ***Top soil (0.15 m)*** will be scooped first and stored for further reclamation of mined area. soil/earth mining will be limited to 2 m only from the surface.

- ❖ No foreign material like polythene/plastic bag, jute bag and useless articles should be allowed to remain / spill on the land, or no pits/pockets will be allowed to be filled with such material.
- ❖ Mining will not exceed beyond the agreed extraction depth.

9.4 NOISE ENVIRONMENT

Anticipated impacts

As far as noise pollution is concerned, clay mining does not contribute much to noise pollution, except the noise generated from the vehicles that transport raw clays scooped from lands and the products from the clay-based industrial units. Noise level in the working environment is compared with the standards prescribed by Central Pollution Control Board which has been adopted and enforced by the Govt. of India through The Noise Pollution (Regulation and Control) Rules, 2000.

Mitigation measures

- ❖ Well maintained vehicles will be used in order to reduce the noise during movement of vehicles.
- ❖ Regular and proper maintenance of transportation vehicles tractor will be ensured.
- ❖ There would be restriction on vehicular movement during night time.

9.5 BILOGICAL ENVIRONMENT

9.5.1 Impact on ecological factors

The area where earth /clay mining is practiced is usually barren and waste lands which are generally devoid of any natural vegetation. There will not be any impact on the biological environment in the surrounding area. There will not be any impact on the biological environment in the surrounding area.

9.6 GREENBELT DEVELOPMENT

It is proposed to have plantation on un-worked areas (lease periphery or berm of about 1m width) and along haul roads to provides cover against dust dissemination. Plantation will also be carried out as social forestry programmed in villages schools and the areas allocated by the Panchayat/ State Authorities. During plantation, local plant species will give preference or in consultation with local forest officials.

The proponent will plant about 50 saplings on the boundary/ berm.

9.7 TRHEES PROPOSED FOR AVENUE PLANTATION FOR GREEN BELT DEVELOMENT

Sl. No.	Agro climatic zone & Sub zone	Middle Genetic Plains, north west alluvial sub zone	
	Scientific name	Common Name	Pollution control feature
1	Acacia nilotica	Babul	Tolerant to SO_2
2	Azadirachtaindica	Neem	Tolerant to SO_2
3	Pithecolibiumducle	Jungle jalebi	Tolerant to SO_2 and Dust control
4	Mangiferaindica	Aam	Tolerant to Dust control
5	Tectonagrandis	Sagon	Tolerant to Dust control
6	Ficusbenghalensis	Bargad	Tolerant to Dust control
7	Scigiumcumuni	Jamun	To stop soil erosion
8	Terminaliaarjuna	Arjun	To stop soil erosion
9	Populus cliate	Popular	Fast growing
10	Ficustreligiosa	Peepal	Dust particles absorbance

9.8 SOCIO-ECONOMIC ENVIRONMENT

In the trade-off between the socio-economic needs and environmental conservation, generally cannot be takes the upper hand socio-economic condition of the project area, the activities cannot be ignored. As regard socio-economic condition of the project area, the earth/clay mining activity provides employment opportunities to various people. The economic base of the region will also be enhanced, if the mining is allowed. In the case of land use, it is clear that any type of quarrying would drastically change the existing land use.

The proponent will take care of all the facilities for workers at the mining site area.

- For sanitation purpose portable/mobile toilets will be provided by the proponent.
- Provision of drinking water: Water required for drinking purpose will be obtained through tankers/nearby sources with proper permission.

9.9 ENVIRONMENT MANAGEMENT PLAN

To mitigate the adverse impacts which are likely to be caused due to the mining operation and overall scientific development of local habitat, environmental management plan (EMP) has been formulated and integrated with the mine planning. Proper environmental management plan is proposed for 'Sandy Soil/Earth'' mining project to initiate the impact during the mining operations.

i. A berm will be left from the adjoining field having a width 1.0 meter (equal to at least half the depth of proposed excavation). Further plantation will be done above the berm.
ii. No labour camps will be established on Mining site.
iii. No cooking, or burning of wood will be allowed at the mine site.
iv. Prior to commencement of mining, a short awareness program will be conducted for labours to make them aware of way of working and various precautions to be taken while at work. Such program will be repeated occasionally.
v. No tree cutting, chopping, lumbering, uprooting of shrubs and herbs will be allowed.
vi. Collection of air and water samples at strategic locations with frequency suggested and by analyzing thereof. If the parameters exceed the permissible tolerance limits, corrective regulation measure will be taken.
vii. Collection of earth/ clay samples at strategic locations once in every year and analysis thereof with regard to deleterious constituents, if any.
viii. Measurement of water level fluctuations in the nearby ponds dug wells and bore wells.
ix. Plantation/a forestation will be done as program i.e. along mining lease, road sides and near civic amenities, which will be allotted by Government bodies. Post plantation, the area will be regularly monitored in every two years for evaluation of success rate. For selection of plant species local people should also be involved

9.10 RISK & HAZARDS MANAGEMENT

As it is soil/ earth mining project, so there are no major risk and hazard activities associated with the proposed activities. But the project proponent will must take care the site location by:

- Proper fencing all around the mining site so that it can prevent any mishap or accident in future.
- The materials being transported after excavation will be properly covered with tarpaulin sheet.
- Periodic water sprinkling will be done to arrest dust.

9.11 LAND RECLAMTION PLAN

Brief description of the reclamation plan giving the proposed plantation programme, scope of backfilling worked out pits.

As stated earlier that the total generated top soil will be kept safety on the berm of mining site. After removal of all the proposed quantity of Earth/clay, the top soil will be spread over the mined-out pit so that the fields can be used for agricultural activity.

9.12 STRATEGY FOR PROTECTION OF RIVER COURES, NALAS, WATER TANKS, VILLAGES, IMPORTANT MONUMENTS:

Briefly outlined the proposed strategies for protection of the following:

a) River courses
b) Nalas
c) Water tanks
d) Villages / houses / hutments / agricultural land

No nala or drainage passes within or near mining area. There are no important monuments and waters tanks nearby the mining area. Mining is confined in very small scale. Earth from proposed field will be mined out.

Upper top fertile of proposed field will be kept safely. After removal of earth from the area, safely kept top soil will be spread back on the mined-out field. Thus, the mined-out area will be used for agricultural activities in future.

9.13 SITE SERVICES

Working Office: Temporary working office will be maintained at site. This will be a temporary structure and can be easily shifted one side to another site as & when required. Safe drinking water will be kept in covered buckets / clay pitcher and will be provided to mine workers.

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

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

Water arrangement: Water for drinking is required. Project Manager/authored leader will arrange a water tanker for the purpose. Separate arrangements for drinking water for the labours will be made in the working office.

Socio-Economic Benefits

Mining industry play an important role in economic sector in India. The region, where the project is situated, mostly people depend on agriculture. The important benefits accruing from the project to the state in the form of royalty can thus be stated as-boost to local and regional economy. The development of mining in the area provides direct and indirect employment opportunities, better infrastructural facilities, communication and socio-economic infrastructure.

9.14 WATER REQUIREMENT

Total water requirement for the project is 6KLD. Breakup details are as below-

Sl. No.	Purpose	Water requirement (KLD)
1.	Domestic Use	1
2.	Water Sprinkling	4
3.	Plantation	1

CHAPTER-10
MINE CLOSURE PLAN

10.0 Introduction:

Applicant Name & Full address Contact No. & E-mail ID	**Mr. Upendra Mahto** S/o Vanarsi Mahto At- Maile Chowk, Bhairopur Deodhi, Vaishali, Bihar-844102 Mob: +919931793536 Email ID:
Status of Lessee:	Individual
Location:	**Mauza- Wariyarpur, Block- Raghopur, District- Vaishali (Bihar)**

Thana No.	Khata No.	Khesra No.	Area (Ha.)
353	127	384, 385	**3.78**
	113	211	**0.61**
Total			**4.39**

Extent of Lease area	**4.39 hectare**
Type of Lease	Non- Forest Land
Present Land use pattern	Non-Forest Land
Present method of Mining and mineral processing	refer Chapter No.- 5

10.1. Reasons for Closure:

The mineral soil/ earth will be excavated for use of land filling at road development project site. After completion of excavation of mineral up to depth of 2 m, the mine will be closed as per rules, regulations and orders. No premature closure is anticipated.

10.2. Statutory Obligations:

As per rule 17 (7) of Bihar Minerals (Concession, Prevention of Illegal Mining, Transportation & Storage) Rules, 2019, 22 of amended rules of BMMC Rules 2014 & 23 B of MCDR 1988 for every fresh grant of mining lease a progressive mine closure plan is required to be submitted in compliance of the aforesaid rule of MCDR 1988, the mine closure plan is being in accordance with the guidelines issued by Chief Controller of Mines (CCOM) vide circular no. 14/2003.

10.3. Closure plan preparation:

a). Name and address of the Applicant:

Mr. Upendra Mahto
S/o Vanarsi Mahto
At- Maile Chowk, Bhairopur Deodhi,
Vaishali, Bihar-844102

b). Name & address of R.Q.P.:

M/s Praneja Envirocare & Management Private Limited
Admn Off: Ground Floor, Opp. Vamika Apartment,
Near Passport Office, Ashiyana, Khajpura,
Patna-800014 (Bihar)
Mob: +91-9708251824, 9308014108
Email Id: pemanagementindia@gmail.com

c). Name of the executing agency:

Not Applicable

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

10.4	**Mine Description:**	
10.4.1	Geology and Exploration	**Given at Chapter -4**
10.4.2	Physiography	
10.4.3	Regional Geology	
10.4.4	Local Geology	
10.4.5	Exploration	
10.4.6	Estimation of Reserves	
10.4.7	Proposed Mining Method	**Given at Chapter -5**

10.5. Review of implementation of Mining Plan/scheme of mining including mine closure plan up to the final closure of mine:

Not applicable.

10.6. CLOSURE PLAN:

10.6.1 Mined out land:

In general, the environmental impact will always be adverse, due to mining operations if proper abatement measures will not be taken. The magnitude and significance of the environmental pollution caused by mining depends on type of mineral, method of mining and beneficiation etc. As a result of mining operation, the original ground profile will be altered. No proposal can be given for concurrent back-filling. Top soil is proposed to be spread over mined out areas so that it can be reused for agriculture proposes.

Land Use Pattern

Non-Forest Land

10.6.2. Water Quality Management:

Activity is limited up to 2 m below the ground level only and above the Water table. Thus, change in Ground water quality does not anticipate.

10.6.3. Air Quality Management:

Activity is limited. Any change in air quality does not anticipate. If required water sprinkling will be done regularly on haul roads. Vehicles are covered with tarpaulin sheets during transportation.

10.6.4. Waste Management:

For sanitation purpose portable/mobile toilets will be provided by the proponent. No cooking, or burning of wood will be allowed at the mine site and Labourers would not be allowed to through trashes in water bodies. Details are in **Chapter-9**

10.6.5. Tailing Dam Management:

Not applicable.

10.6.6. Infrastructure:

The proposed area is well connected with tehsil and district head quarter by all weather roads where all facilities are available. The proponent will have his own facility soon after start of excavation.

10.6.7. Disposal of Mining Machinery:

No specific immovable mining machinery is used in the excavation of soil/earth. It will be a semi-mechanized mine.

10.6.8. Safety and Security:

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3.12.15 HEAD

The proponent will follow all the rules and regulations as per provision of DGMS for safety and security of the proposed mine. To prevent access to the surface opening or excavated area from cattle's and local people the proponent will arrange security both by fencing or any other manner round the clock.

10.07. Disaster Management and Risk Assessment:

The proposed area is small. Activity is limited up to 2 m depth below ground level and final pit slops will be kept 45°, hence chances of land slide, subsidence etc. is nil. **The proposed site falls in Seismic zone-IV.**

10.08. Care and Maintenance during Temporary Discontinuance:

During such time the time will be protectively fenced and staff will be employed for care and maintenance. As well as all the precaution laid down in the statute during temporary discontinuance will be maintained and followed.

10.09. Economic Repercussions of Closure of mine and manpower retrenchments:

It is not inferred to discuss economic repercussions of closure of mine and manpower retrenchment at this stage.

10.10. Time Scheduling for abandonment:

There is no proposal for abandonment of mine or initiating closure operations during the mine plan period, so question of abandonment does not arise. The time scheduling for abandonment in mining of earth will be after completion of excavation of mineral up to depth of 2 m only.

10.11. Abandonment Cost:

It is very difficult to estimate the actual abandonment cost at this stage. The applicant / Proponent is bound to comply the provision laid down under rules, regulations, acts, and order made by the centre or state government, statutory organization, court etc.

10.12. Any other information:

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

10.13. Financial Assurance:

The applicant shall comply the provisions for financial assurance as per rule of Bihar Minerals (Concession, Prevention of Illegal Mining and Transportation & Storage) Rules, 2019. However, it is not possible to calculate financial assurance at this stage.

12.14. Certificate:

The required Certificates are annexed separately and enclosed with the Mining Plan.

12.15. Plans, Sections etc.:

All the plans and sections are enclosed with the Mining Plan.

Date:
Place:

Praneja Envirocare & Management Pvt. Ltd.
RQP/SI. No.-30/M. No.-3825/M, DT.07/11/2019
Authorized Signatory
Praneja Envirocare & Management Pvt. Ltd.

RULES & NOTIFICATION

No. L-11011/47/2011-IA.II(M)
Government of India
Ministry of Environment & Forests

Paryavaran Bhawan,
C.G.O. Complex, Lodhi Road,
New Delhi-110003.

Dated: 24th June, 2013

OFFICE MEMORANDUM

Subject: Guidelines for consideration of proposals for grant of environmental clearance under EIA Notification, 2006 for mining of 'brick earth' and 'ordinary earth' having lease area less than 5 ha – regarding categorization as Category 'B2'

The Hon'ble Supreme Court, vide its order dated 27.02.2012 in I.A.No.12-13 of 2011 in SLP (C) No.19628-19629 of 2009 titled Deepak Kumar etc. Vs. State of Haryana & Ors. has inter alia ordered that leases of minor mineral including their renewal for an area less than 5 ha be granted by the State / Union Territory only after getting environment clearance (EC) from the Ministry of Environment & Forests (MoEF). In order to ensure compliance of the aforesaid order of the Hon'ble Supreme Court, MoEF issued an OM No.L-11011/47/2011-IA.II(M) dated 18.05.2012 stating inter alia that all mining projects of minor minerals including their renewal irrespective of the size of the lease would henceforth require prior EC and that the projects of minor minerals with lease area less than 5 ha would be treated as Category "B" as defined in EIA Notification, 2006 and will be considered by the respective State Environment Impact Assessment Authorities (SEIAAs) notified by MoEF and following the procedure prescribed under the EIA Notification, 2006.

2. MoEF has received a number of representations conveying problems being faced by the brick kiln manufacturers in obtaining EC for 'brick earth' mined by them for making bricks and by the developers of road projects in respect of mining of 'ordinary earth' used for road construction. The brick kiln manufacturers have requested that as the digging of 'brick earth' for making bricks is a small scale activity requiring digging only upto a certain depth, the activity may be kept outside the purview of EC. The project proponents developing roads have represented that the 'ordinary earth' required for road construction is generally taken from the farmers / individuals along the road alignment from their borrows. It would be impractical to ask the farmers / individuals to obtain EC for such digging. In a nutshell, the arguments being put forth are that while digging of 'brick earth' for brick making and 'ordinary earth' for road making do not have serious environmental implications, the provisioning for EC for such operations is impeding these development activities because of practical problems in obtaining EC.

3. MoEF vide OM No.F.No.J-11013/12/2013-IA-II(I) dated 30.01.13 has constituted an Expert Committee, under the Chairmanship of Director, NEERI, Nagpur, to categorize Category "B" projects / activities into Category "B1" and "B2" under EIA Notification, 2006 and review classification of projects / activities into "A" and "B" and General conditions as contained in the aforesaid Notification. The issues raised by brick kiln manufacturers regarding 'brick earth' and road developers in respect of 'ordinary earth' were referred by MoEF to this Expert Committee to give their recommendations. The Committee deliberated upon these issues and has since given its recommendations in the matter.

4. The recommendations of the Committee have been examined by MoEF and the following has been decided:

(a) The activities of borrowing / excavation of 'brick earth' and 'ordinary earth', upto an area less than 5 ha. may be categorized under 'B2' Category subject to the following guidelines in terms of the provisions under '7.I Stage(1)-Screening' of EIA Notification, 2006:

(i) The activity associated with borrowing/excavation of 'brick earth' and 'ordinary earth' for purpose of brick manufacturing, construction of roads, embankments etc. shall not involve blasting.
(ii) The borrowing/excavation activity shall be restricted to a maximum depth of 2 m below general ground level at the site.
(iii) The borrowing/excavation activity shall be restricted to 2 m above the ground water table at the site.
(iv) The borrowing/excavation activity shall not alter the natural drainage pattern of the area.
(v) The borrowed/excavated pit shall be restored by the project proponent for useful purpose(s).
(vi) Appropriate fencing all around the borrowed/excavated pit shall be made to prevent any mishap.
(vii) Measures shall be taken to prevent dust emission by covering of borrowed/excavated earth during transportation.
(viii) Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing/excavation of earth.
(ix) Workers / labourers shall be provided with facilities for drinking water and sanitation.
(x) A berm shall be left from the boundary of adjoining field having a width equal to at least half the depth depth of proposed excavation.

(xi) A minimum distance of 15 m from any civil structure shall be kept from the periphery of any excavation area.

(xii) The concerned SEIAA while considering granting environmental clearance for such activity for brick earth / ordinary earth will prescribe the guidelines as stated at (i) to (xi) above and specify that the clearance so granted shall be liable to be cancelled in case of any violation of above guidelines.

(b) Notwithstanding what has been stated at (a) above, the following will apply:-

(i) No borrowing of earth / excavation of 'brick earth' or 'ordinary earth' shall be permitted in case the area of borrowing/ excavation is within 1 km of boundary of national parks and wild life sanctuaries.

(ii) In case the area of borrowing / excavation is likely to result into a cluster situation i.e. if the periphery of one borrow area is less than 500 m from the periphery of another borrow area and the total borrow area equals or exceeds 5 ha, the activity shall become Category 'B1' Project under the EIA Notification, 2006. In such a case, mining operations in any of the borrow areas in the cluster will be allowed only if the environmental clearance has been obtained in respect of the cluster.

This issues with the approval of the Competent Authority.

(Dr. Saroj)
Director
Telefax : 24364067

To

1. All the Officers of IA Division
2. Chairpersons/Member Secretaries of all the SEIAAs/SEACs
3. Chairman, CPCB
4. Chairpersons / Member Secretaries of all the SPCBs/UTPCCs

Copy to:-

1. PS to MEF
2. PPS to Secretary(E&F)
3. PPS to ADG(F)
4. PPS to ADG(WL)
5. PPS to JS(AT)
6. PPS to IG(FC)
7. Website, MoEF
6. Guard File

3 पेज के HEAD

बिहार राज्यातंर्गत 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 एजेंसी 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 प्रा0 लि0 को योग्यता संबधी प्रमाण पत्र नहीं संलग्न करने के कारण तथा कंडिका–34 में उल्लेखित मेसर्स संयुक्त इन्फ्रा को संबंधित योग्यता प्रमाण पत्र संलग्न नहीं होने के कारण अयोग्य घोषित करने का निर्णय लिया गया तथा शेष 34 को Empanelled करने का निर्णय लिया गया, विवरणी निम्नवत है :–

Sl. No	Name	Contact Number	Qualifications	Rate for preparation of Mining Plan (per Ha)	Rate details	Address
1	Dr. Radha Nand Singh	9430252322 8340280122	M.Sc. Geology	Rs. 15,000/- (including of Tax & GST)		Dr. R.N Singh, 7HF- 6-20, Sector 7, Block 6, Flat 20, HIG Flat, Bahardurpur Housing Colony, Patna -800026
2	Shiva Test House	7903157774	M.Sc Geology	Rate Slab attached	Rs. 10,000/- each Ha Rs. 8,000/- for each subsequent additional Ha. (above rates are inclusive of 18% GST)	122 C, Aastha , Road No. 5 A, Patliputra Colony, Patna - 800013
3	Dr. Amarjeet Kumar Singh	9431508228	Ph.D(Geology)	Rs. 20,000/- GST will be charged as per Government rules		S/O--Udho Singh,C/O-- Sri Indrajit Kumar Singh,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,Sikhar More ,Near Mehta Petrol Pump,Manpur,Gaya-823003
5	Dr. Abdul Rahman	7870527271	Ph.D In Geology	Rs. 8,000/- (inclusive of Taxes)		B-78,P.C. Colony,kankarbagh,Patna-800020
6	Punit Lala Mahto	9911537948 8709005622	M.Sc. (Geology)	Rs. 11,800/-	Rate per Hectare @10,000/- + GST @18% (Rs. 1800) =Rs. 11,800/-	House No.- 121, raghav Bhawan, kobibari, Sikandarpur, Bhagalpur - 812005
7	Sanjay Kumar	943106886	M.Sc. (Geology)	Rs. 25,000/-	Negotiable	Vastu-Sarita Colony, Janakpuri, Near -St. Karen's School, Gola Road, Danapur, Patna
8	Er. Navin Kumar Sinha	7366973516	B.E. (Mining)	Rs. 10,000/-		Er. Navin Kumar sinha, A-112, Sanjay gandhi Nagar, Kali 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 (Pindra), District- varanasi, (U.P), 221206
12	Shailesh Kumar Singh	9431496906	M.Sc.(Applied Geology) M.Sc. Tech (Remote Sensing)	Rs. 25,000/-				B-8, Prachi-Kanishka Apartment, bazzar 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. 4860) =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/f Upendra Gupta, Shop No. 191, Plot No. 529,Golabazar,Nawadih Road,Near Kali Club, Aurangabad bihar 824101
15	Sens Geomine Consultancy Pvt Ltd	8235816865	M. Sc (Geology)	Rs. 15,000/ (exclusive of all GST & Taxes)				Kali Mandir Road , Opposite Puja Tent Service, Po+PS-Doranda, Ranchi-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 Itera Valley, Baudh Vihar Colony, Naya Tola, Kumhrar--800026
17	Eclipto India Pvt. Ltd.	7678639396	Required Qualification of the employees attached	Rate as per the slab provided		Per Ha. Rate (upto 5 Ha)	Per Ha. Rate (more than 10 Ha)	C/O Kapilmuni Pathak,Shivapuram Road -2 ,Rukanpura ,Bailey Road,Patna - 800014
					Rate upto 5 Ha	Rs 10,000/-	Rs 10,000/-	
					Rate more than 5 Ha	NA	Rs. 5,000/-	
					* Rate is inclusive of GST and other applicable Taxes			
18	Ravi Shankar	7485090640	B.E. (Mining)	Rate as per the slab provided	(a) Rs. 50,000/- per mining plan upto 5 Ha (b) For above 5 Ha area rate will be charged 6000/- per Ha additionally extra and above to 5 Ha upto 25 Ha (c) Rs. 2,00,000/- per mining plan for area of 25 Ha and will be charged additionally Rs. 3000/- per Ha extra and above to 25 Ha upto 50 Ha. (d) Rs. 3,00,000/- per mining plan for area of 50 Ha and will be charged additionally Rs. 2000/- per Ha extra and above to 50 Ha upto 50 Ha.			Village- Nagain, P.O.- Deohra, P.S.- Goh, Dist.- Aurangabad (Bihar) - 824114
19	Indus Mining & 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

PRANEJA ENVIROCARE & MANAGEMENT PVT. LTD. BIHAR

20	Pravin Kumar Sinha	7542949027	B.E (Mining)	Rs. 2,000/- per Hectare (Each Block Mining Plan - Rs. 30,000/-)		201,2nd Floor,Mangal Market,Raja Bazaar, bailey Road, Patna-14
21	Md. Tauseef Warsi Greenera Mining & Envirotech Pvt. Ltd.	9534027112	M.Sc. (Geology)	Rs. 5,000/- (Excluding GST)		Greenera Mining & Envirotech Pvt.Ltd.,205 Mangal Market,Raja Bazar,Bailey Road Patna-800014
22	Prabhat Kumar Srivastava	8827477206	B.E(Mining)	Rs. 8,000/-		Flat No-101, Road No - 01, Boodh Nagar, Chiriya Tard, Postal Park , Patna-800001
23	Ashok Kumar Singh	8766859804	Mining Engineer	Rs. 8,000/-		C/o Shri Ram Prasad Singh, Mohalla - Mogal Kuan, P.O. - Sohsarai, P.S - Sohsarai, Dist.- Nalanda, Bihar- 803118
24	Sandeep Kumar	8126253120	M.Sc. (Applied Geology)	Rs. 10,000/-		Anpurna Bhavan , C/O Ravi Kishan, Sundar Nagar, Lohia Path , Jagdeo Path , Patna - 800014 (Bihar)
25	United Exploration India Pvt. Ltd	9431208782 9934304369	Required Qualification of the employees attached	Rs. 5,200/- (inclusive all Taxes)		301,2nd Floor ,Sahid Rajendra Singh Complex,Anishabad , Patna-800002
26	Rian Enviro Pvt Ltd	9431289638	Required Qualification of the employees attached	Rs. 5,000/- (inclusive all Taxes)		202,2nd Floor,Mangal Market,Raja Bazar,Sheikhpura Patna -800014
27	Ascenso Enviro Pvt. Ltd	9204207920	Required Qualification of the employees attached	Rs. 4,750/- (inclusive all Taxes)		401,4th Floor ,Mangal Market,Raja Bazar,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, Guru Sahay lal Nagar, Road No. 2, Magistrate Colony, Ashiyana Nagar, Patna - 800025, Bihar
29	Gramin Lok Seva	9934452711	Qualifications of candidates are attached	Rs. 7,000/-	Note - 1. Minimum rate for a Sand Block - INR 25,000/- 2. Maximum rate for a Sand Block - INR 60,000/ OR As decided by the Department of Mines & Geology, Govt. of Bihar	27, Guru Sahay Lal Nagar, Magistrate Colony, Ashiyana nagar, patna- 800025, Bihar
30	Praneja Envirocare & Management Pvt. Ltd.	9708251824	Qualifications of candidates are attached	Rs. 10,000/- (Excluding GST @18%)	Remarks - Fee should not be less than 20,000 or more than 50,000 thousand for single block. (Excluded GST) OR As decided by the Department of Mines & Geology, Govt of Bihar	103, Bhagwati kunj apartment, Road No. - 3D, Anand vihar Colony, Rukanpura, Patna (Bihar)- 800014
31	Institute of Environment and Eco Development	7004620817	Details Of Qualification Attached	Rs. 10,000/- (Excluding GST)	Rate will be negotiable as per direction from Department of Mines & Geology, Govt. of Bihar	Admin. Office--Ground floor, Shyam Nagar Colony, Maurya Path, Bailey Road, PO-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

PRANEJA ENVIROCARE & MANAGEMENT PVT. LTD. BIHAR

5

33	Indinine Pvt. Ltd.	9431040119	Bachelor of Engineering (Mining)	Rate for each District is enclosed	Enclosure A	H.No-21, First Floor, IAS Colony, S.K. Nagar, Patna-800001
34	M/S Sanyukt Infra	7296069668	Bachelor of Architecture	Rs. 3,500/-		South of Madhuban Housing complex, Malahi Pakdi, Kankarbagh--800020
35	Saathi Planners Pvt. Ltd.	9835877778	Details of qualification attached	Rs. 12,000/-		C/O Mr. Anil Kumar, plot No. L-171, Road No. 23 Near Malti Nikeran, Sri Krishna Nagar, Patna -800001
36	Overseas Min-Tech Consultants	9460221084	Details of qualification attached	Rs. 13,000/-		501, 5th Floor, Apex Tower, Tonk Road, Jaipur-302015, Tel-0141-2744509

3. प्राप्त सभी EOI की समीक्षा के उपरांत विभागीय समिति द्वारा सर्वसम्मति से खनन योजना हेतु देय राशि प्रति खनन योजना अधिकतम ₹30,000/– (तीस हजार) 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 अभिरूचि की अभिव्यक्ति आंमत्रण 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 है तो उन्हे 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/–	ह0/–	ह0/–	ह0/–	ह0/–	ह0/–
स0आ0वि0स0, सदस्य	स0नि0 (मु0), सदस्य	अवर सचिव, सदस्य	उप निदेशक, पटना अंचल, पटना सदस्य	उप निदेशक (मु0), सदस्य	अपर सचिव–सह–निदेशक, अध्यक्ष

ह0/–
सरकार के अवर सचिव

ज्ञापांकः–...../एम0, दिनांक–.....
प्रतिलिपिः– सभी समाहर्त्ता को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

ह0/–
सरकार के अवर सचिव

ज्ञापांकः–...../एम0, दिनांक–.....
प्रतिलिपिः– सभी उप निदेशक/सभी सहायक निदेशक/सभी खनिज विकास पदाधिकारी/सभी खान निरीक्षक को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

ह0/–
सरकार के अवर सचिव

P.D. BIHAR

ज्ञापांकः– 3825 /एम0, दिनांक– 07/11/19

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

7/11/19

सरकार के अवर सचिव

ID PROOF OF THE APPLICANT


भारत सरकार
Government of India

उपेन्द्र महतो
Upendra Mahato

जन्म तिथि / DOB: 01/01/1968
पुरुष / Male

6917 4949 7958

आधार - आम आदमी का अधिकार


Unique Identification Authority of India

पता: एसडीओ, बनारसी महतो, माईन चौक के पास, बरौनी, बेगूसराय, बिहार, 844102

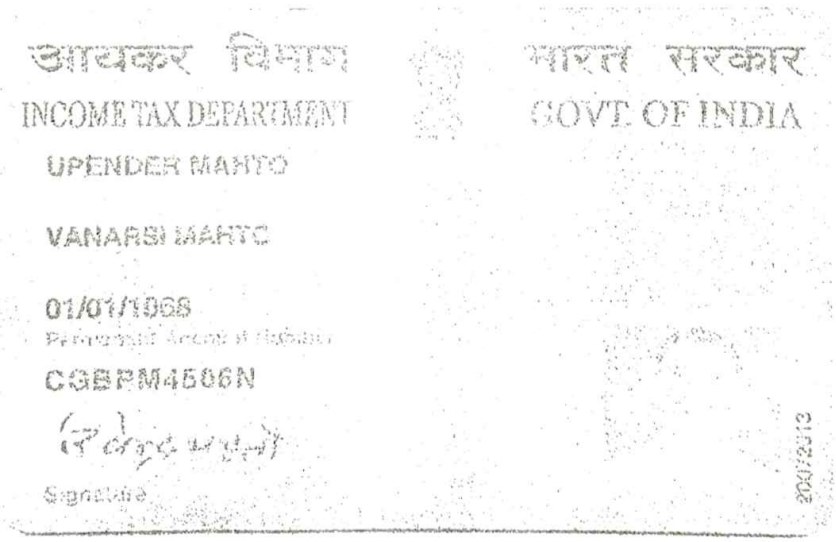
Address: S/O Vanarsi Mahato, near MAIL Chowk, Mayil, Vashat, Bhagalpur Dawan Bihar, 844102

6917 4949 7958

1800 300 1947

help@uidai.gov.in

www.uidai.gov.in


आयकर विभाग
INCOME TAX DEPARTMENT

भारत सरकार
GOVT. OF INDIA

UPENDER MAHTO

VANARSI MAHTO

01/01/1968

Permanent Account Number

CGBPM4586N

Signature

2007/2013

PRANEJA ENVIROCARE & MANAGEMENT PVT LTD * BIHAR

LAND DEED & REVENUE RECEIPT

Prohibition Excise &
Registration Department,
Government of Bihar

INDIA NON JUDICIAL

Other

First Party Name *	: Not Applicable
Second Party Name *	: UPENDRA MAHATO
Purchased By *	: UPENDRA MAHATO
Certificate Number	: BR038161211730792641683
Consideration Price	: ₹0.00/-
Stamp Duty Paid	: ₹1000.00/-
Registration Fee & Other Fees	: ₹0.00/-
LLR & Proc Fee	: ₹0.00/-
Miscellaneous Fees	: ₹0.00/-
Discore SC	: ₹0.00/-
Total Amount	: ₹1000.00/- (One Thousand)

---------- This stamp paper will only be valid if embossed below with special RED ink impression ----------

NOTARY Kameshwer Roy Vaishali (Hajipur) N.No.-7424/12J Government of Bihar (India)

प्रथम पक्ष

मैं, रणधीर राय, अमधीर राय, धर्मधीर राय, तीनों पिता-राजेन्द्र राय, ग्राम-माईल, पोस्ट- भैरोपुर, जिला-वैशाली, थाना-बिदुपुर, मैं अपना जमीन 2 मीटर मिट्टी साधारण दे रहा हूँ 2 मीटर मिट्टी काटने के लिए, जिसका खाता 127 खेसरा 384 रकबा 4 एकड़ 84 डिसमिल है जिसका मौजा-चरियारपुर है। कार्य के लिए ।

रामचरण राय, पिता- नारायण राय, ग्राम-माईल, पोस्ट- भैरोपुर, जिला- वैशाली थाना-बिदुपुर, मैं अपना जमीन 2 मीटर मिट्टी साधारण दे रहा हूँ 2 मीटर मिट्टी काटने के लिए जिसका खाता 127 खेसरा385 रकबा 4 एकड़ 51 डीसमिल है, जिसका मौजा-चरियारपुर है ।

रामबली राय, राम स्वार्थ राय, दोनों भाई के पिता-स्व0 रघुनी राय, ग्राम-माईल, पोस्ट- भैरोपुर, थाना-बिदुपुर, जिला-वैशाली, मैं अपना जमीन अपने मर्जी से 2 मीटर मिट्टी काटने के लिए साधारण मिट्टी दे रहा हूँ । जिसका खाता

3 Photocopies

BIHAR PRIDE ENVIROCARE & MANAGEMENT PVT. LTD.

113 खेसरा- 211, रकबा । एकड़ 52 डिसमिल है । जिसका सभी मौजा- बरियारपुर है । दूसरा पक्ष - उपेन्द्र महतो, पिता- बनारसी महतो, ग्राम- माईल, पोस्ट-भैरोपुर, थाना-बिदुपुर, जिला-वैशाली (बिहार) का रहने वाला हूँ, जिसका 2 मीटर मिट्टी साधारण खोदने/~~का~~ कटाई ~~सहमति दे~~ ~~रहा हूँ~~ अपना मर्जी से ।

उपेन्द्र महतो

जिसका-	खाता	खेसरा	एकड़	डिसमिल	मौजा
	127	384	4 एकड़	84 डिसमिल	मौजा-बरियारपुर
	127	385	4 एकड़	31 डिसमिल	मौजा-बरियारपुर
	113	211	1 एकड़	52 डिसमिल	मौजा-बरियरपुर

NOTARY Kameshwer Roy Vaishali (Hajipur) N.No.-7424/12J Government of Bihar (India)

प्रथम पक्ष का हस्ताक्षर

रणवीर राय
धर्मवीर राय
शत्रुघ्न राय
राजकरन राय
रामसोहाय राय
रामबल्ली राय

द्वितीय पक्ष का हस्ताक्षर

उपेन्द्र महतो

ATTESTED 05/11/24 NOTARY (K. ROY) VAISHALI, N No.-7424/12J

उपेन्द्र महतो

PRANEJA ENVIROCARE & MANAGEMENT PVT LTD BMAR

बिहार भूमि

बिहार सरकार
राजस्व एवं भूमि सुधार विभाग

विवरण

भाग वर्तमान	1	पृष्ठ संख्या	127
जिला का नाम	Vaishali	अनुमंडल नाम	Hajipur
अंचल का नाम	Raghopur	हलका का नाम	सरायपुर
मौजा का नाम	बरियारपुर	होल्डिंग संख्या	N/A
थाना नाम	Vaishali	राजस्व थाना नंबर	553
तौजी संख्या	0	इस्टेट का नाम	BiHAR

क्र० स०	रैयत का नाम	जाति	निकासी
1	नारायण राय पिता/बाप/अबू - चुल्हाई राय	N/A	
2	राजेंद्र राय पिता/बाप/अबू - महावीर राय	N/A	

प्लॉट का विवरण

क्र० स०	खाता नंबर	प्लॉट संख्या	रकबा
1	127	384	4 एकड़ 84 डिसमील 0 हेक्टर
2	127	385	4 एकड़ 51 डिसमील 0 हेक्टर

रकबा का कुल परिमाण : 9 एकड़ 35 डिसमील 0 हेक्टर

निधारित लगान दर

क्र० स०	भू-लगान	शिक्षा सेस	रोड सेस	स्वास्थ्य सेस	कृषि सेस	कुल
1	270.00	135.00	67.50	135.00	54.00	661.50

अंतिम भुगतान का विवरण

No last payment exists.

अंतिम रसीद का विवरण

बकाया राशि का विवरण

रांची

HOUSE & MANAGEMENT CONSULTANTS LTD. BIHAR

उपेन्द्र मेहतो

बिहार सरकार

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

ऑनलाइन
Running Unique No.: 230924020213957442491
(Receipt No.)

जिला :- Vaishali	अंचल :- Raghopur
हल्का :- सराचपुर	मौजा :- बरियारपुर
जमाबन्दी संख्या :- 217 भाग वर्तमान :- 2 भाग संख्या :- 216 कंप्यूटरीकृत जमाबन्दी संख्या :- 2241279000060011	मौजा/थाना संख्या :- 353
जमाबंदी रैयत का नाम :- रामवती राय,रामस्वारथ राय अभिभावक का नाम :- रघुनी राय,रघुनी राय	पता :- ..

खाता संख्या	खेसरा संख्या	रकबा/डिसमिल
113	211	1 एकड़ 52 डिसमील 0 हेक्टेयर

सालाना मांग(बकाया और वर्तमान) चालू वित्तीय वर्ष का

वित्तीय वर्ष	सालाना दर	बकाया	वर्तमान	सूद	कुल	अभिमुक्ति(बकाया का वर्ष कब से कब तक)
जमाबंदी लगान	50.00	750.00	50.00	0.00	800.00	2009-2010 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	72.50	1087.50	72.50	0.00	1160.00	2009-2010 से 2024-2025
कुल	122.50	1837.50	122.50	0.00	1960.00	2009-2010 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) अभिमुक्ति
लगान	750.00	50.00	800.00	2009-2010 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	1087.50	72.50	1160.00	2009-2010 से 2024-2025
कुल	1837.50	122.50	1960.00	2009-2010 से 2024-2025

कुल बकाया-1960.00
वसूल की गयी राशि शब्दों में- One Thousand Nine Hundred Sixty Rupees

दिनांक- 24-09-2024

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

Print

समक्ष,

लेख्य प्रमाणक,

हाजीपुर , वैशाली ।

शपथ - पत्र

मै, राज करण राय , पिता - स्व0 नारायण राय , ग्राम [illegible] पो0 - भेरोपुर , थाना - विदुपुर जिला - वैशाली शपथ पूर्वक बयान करता हूँ कि -

1, यहकि मैं उपरोक्त पता का स्थायी निवासी हूँ।

2. यह कि मेरे परिवार का वंशावली निम्न प्रकार है -

स्व0 चुल्हाई राय

।

स्व0 नारायण राय

।

राज करण राय

3. यहकि आवश्यक कार्य हेतु वंशावली हेतु शपथ पत्र बना रहा हूँ।

4. यहकि उपरोक्त वर्णित सारी बातें मेरी जानकारी से सही है।

अतः यह शपथ - पत्र है।

शपथकर्ता - राज करण राय जो

श्री - [illegible]

अधिवक्ता हाजीपुर के द्वारा जाने वो पहचाने गये वो शपथ पत्र इनके इल्म से सही है।

21.10.24

लेख्य प्रमाणक, हाजीपुर, वैशाली

राजकरण राय

शपथकर्ता का हस्ताक्षर

प्रमाणित किया जाता है कि शपथकर्ता के द्वारा जाने वो पहचाने गये वो शपथ पत्र इनके इल्म से सही है ।

Sanjay Kumar Jaw. 21/10/24

अधिवक्ता हाजीपुर , वैशाली

NOTARY
VAISHALI (BIHAR)
No. 7424/12

INDIA JUDICIAL

Government of Bihar

1878
2/1

e-Court Fee

e-Court Fee Receipt No.	:	BRECR079C241000039668
Date & Time	:	17-Oct-2024 11:15 AM
Name of the ACC/ Registered User	:	District Co-operative Central Bank, Vaishali
Location	:	Civil Court Vaishali (Hajipur)
Name of Applicant	:	DEPONENT
e-Court Fee Amount	:	100 (One Hundred Rupees Only)

NOTARY
Kameshwer Roy
Vaishali
(Hajipur)
N.No.-7/24/123
Government of Bihar (India)

IIN 2402120733

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PRAVEEN ENVIROCARE & MANAGEMENT PVT. LTD. BIHAR

44

समक्ष,

श्रेष्ठ प्रमाणक,
हाजीपुर ,वैशाली ।

शपथ - पत्र

मैं, रणवीर राय , पिता - स्व0 राजेन्द्र राय , ग्राम - [illegible] , पो - [illegible] थाना - चिरैया , जिला - वैशाली [illegible] निम्नांकित [illegible]

1. यह कि मैं उपरोक्तपत्ता का स्थायी निवासी हूँ।

2. यह कि मेरे परिवार का वंशावली निम्न प्रकार है -

स्व0 महावीर राय

स्व0 राजेन्द्र राय ,

रणवीर राय धर्मवीर राय सनवीर राय

3. यह कि आवश्यक कार्य वास्ते वंशावली हेतु शपथ पत्र बना रहा हूँ।

4. यह कि उपर्युक्त शपथ पत्र में वर्णित तथ्य मेरी जानकारी [illegible]

अतः यह शपथ - पत्र है।

शपथकर्ता - रणवीर राय जो
श्री - [illegible]
अधिवक्ता हाजीपुर वैशाली जाने
वो पहचाने गये वो शपथ पत्र इनके
इल्म से सही है।

21/10/24
श्रेष्ठ प्रमाणक, हाजीपुर ,वैशाली ।

[illegible]
शपथकर्ता का हस्ताक्षर

प्रमाणित किया जाता है कि शपथकर्ता मेरे
द्वारा जाने वो पहचाने गये वो शपथ पत्र
इनके इल्म से सही है।

21/10/24
अधिवक्ता हाजीपुर ,वैशाली

NOTARY
VAISHALI (BIHAR)
No.-7424/12

INDIA JUDICIAL

Government of Bihar

1878
9.10

e-Court Fee

e-Court Fee Receipt No.	:	BRECR079C241000039664
Date & Time	:	17-Oct-2024 11:11 AM
Name of the ACC/ Registered User	:	District Co-operative Central Bank, Vailshali
Location	:	Civil Court Vaishali (Hajipur)
Name of Applicant	:	DEPONENT
e-Court Fee Amount	:	100 (One Hundred Rupees Only)

NOTARY Rameshwer Roy Vaishali (Hajipur) Government of Bihar (India)

THE V.D.C.C.O-BANK LTD. Branch-Hajipur Vaishali

IN 2402120630

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BIHAR

अंगूठे का निशान

समक्ष,

क्षेत्र प्रभारक,

हाजीपुर ,वैशाली ।

शपथ - पत्र

मै, उपेन्द्र महतो , पिता - स्व॰ सरती महतो , उम्र- 50 वर्ष , पेशा - [illegible] ,

पो॰ - भेरोपुर , थाना - विदुपुर , जिला - वैशाली पिन - 844102 का निवासी

हूँ यो मेरा आधार नं॰ - 6917 4949 7958 एवं पेन कार्ड नं॰ - सी॰ जी॰ पी॰ के॰ पी॰

4506 एन है मै घोषणा करता हूँ कि -

1. यहकि मै मिट्टी खरीद - बिक्री का कारोबार करूँगा ।

2. यह कि आस - पास के गाँवो मे घर निर्माण के दौरान मिट्टी भराई की आवश्यकता होती है , जो आसानी से नहीं मिलती के आपूर्त्ति करूँगा ।

3. यहकि विकास के कार्य हेतु नजदीकी पंचायतो मे मिट्टी उपलब्ध कराई जायेगी ।

4. यह कि खनन एवं भूतत्व विभाग , बिहार सरकार एवं अन्य संबंधित विभागो के प्राधिकारो का समस्त नियमो का उचित: अनुपालन किया जायेगा ।

5. यहकि मिट्टी का खनन परमिट मिलने के उपरान्त ही किया जायेगा एवं समय - समय पर विभाग को मिट्टी आपूर्ति संबंध की पूर्व सूचना प्रदान की जायेगी ।

स्थान

दिनांक -

उपेन्द्र महतो

ह0

उपेन्द्र महतो

21/10/24

NOTARY
JAISHALI (BIHAR)
No.-7424/12

Sanjay Kumar
21/10/24

47

उपेन्द्र महतो

INDIA JUDICIAL

Government of Bihar

18785
21.10.24

e-Court Fee

e-Court Fee Receipt No.	:	BRECR079C241000015265
Date & Time	:	05-Oct-2024 02:59 PM
Name of the ACC/ Registered User	:	District Co-operative Central Bank, Vaishali
Location	:	Civil Court Vaishali (Hajipur)
Name of Applicant	:	DEPONENT
e-Court Fee Amount	:	100 (One Hundred Rupees Only)

NOTARY
Government of Bihar (India)

THE V.D.C. CO-BANK LTD. Branch- Hajipur Vaishali

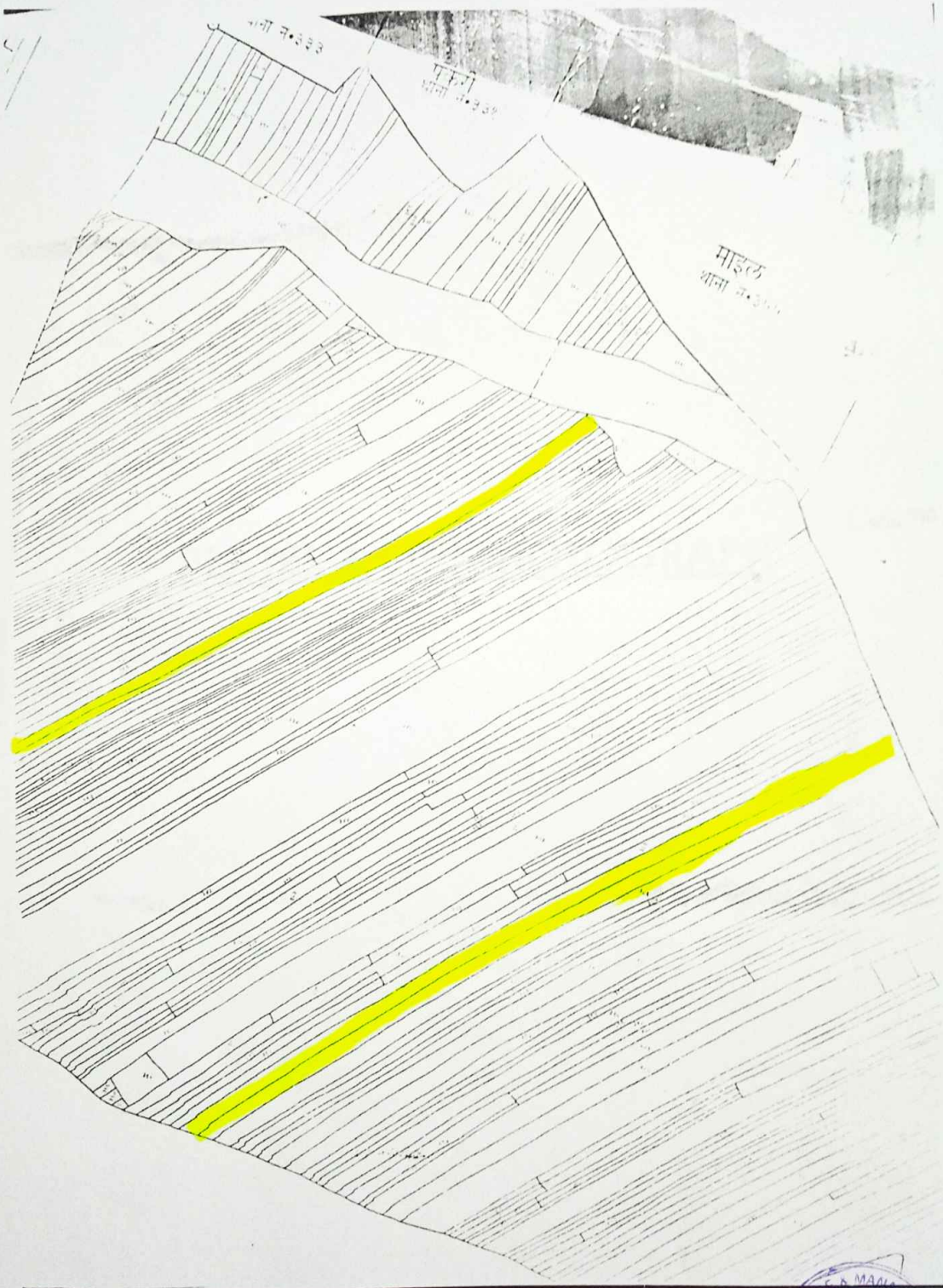
IN 2402075906

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PRAMEJA ENVIROCARE & MANAGEMENT PVT. LTD. BIHAR

KHASRA MAP

PRANAV ENVIRONCHRE & MANAGEMENT OUTLOOK PRIVATE LTD.
PATNA



PLANET ENVIROCARE & MANAGEMENT PVT. LTD.

3 पेज्यु मदो

PLATES & SITE PHOTOGRAPH

BINAR



Block-A And B Earth Mining Project
MINERAL- EARTH MINING

SATELLITE-GOOGLE
500m BUFFER LOCATION MAP
OF THE STUDY AREA

Mauza- Wariyarpur, Block- Raghopur,
Distt- Vaishali, Bihar
Applicants:
Shri Upendra Mahto
S/o Vanarasi Mahto
AREA- MINING BLOCK-A 3.78 Ha..
Block-B- 0.61 Ha
Mining Depth-2 m

Legend

GPS Boundary Location

Boundary Buffer_500m

Project Boundary

Satellite_Upendra1.img

RGB

Red: Layer_1

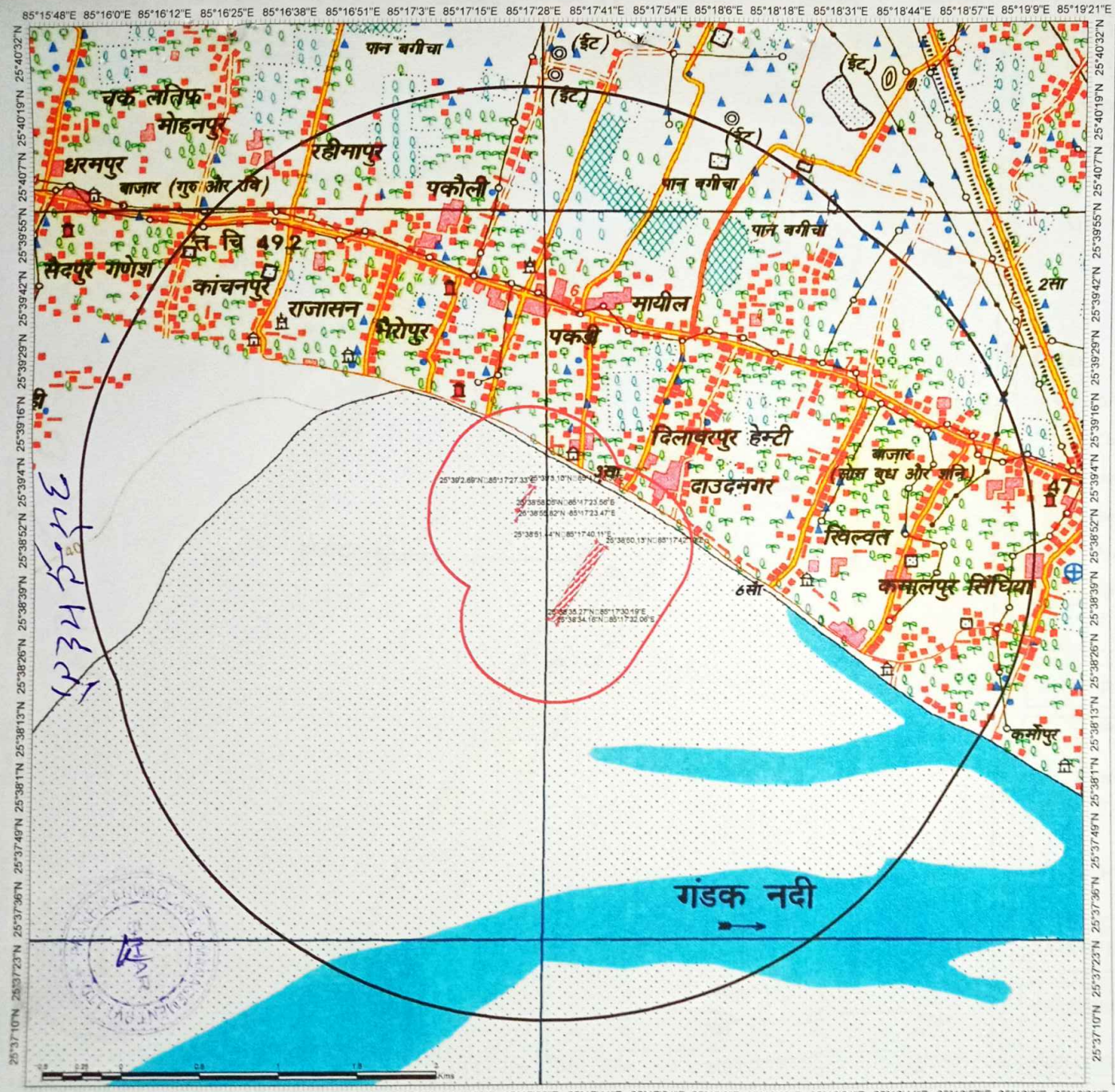
Green: Layer_2

Blue: Layer_3

N W E S

0.1 0.05 0 0.1 0.2 0.3 0.4 Kms

Source
SATELLITE-GOOGLE 2024



Block-A And B Earth Mining Project
MINERAL- EARTH MINING

TOPOSHEET
2500m BUFFER LOCATION MAP
OF THE STUDY AREA

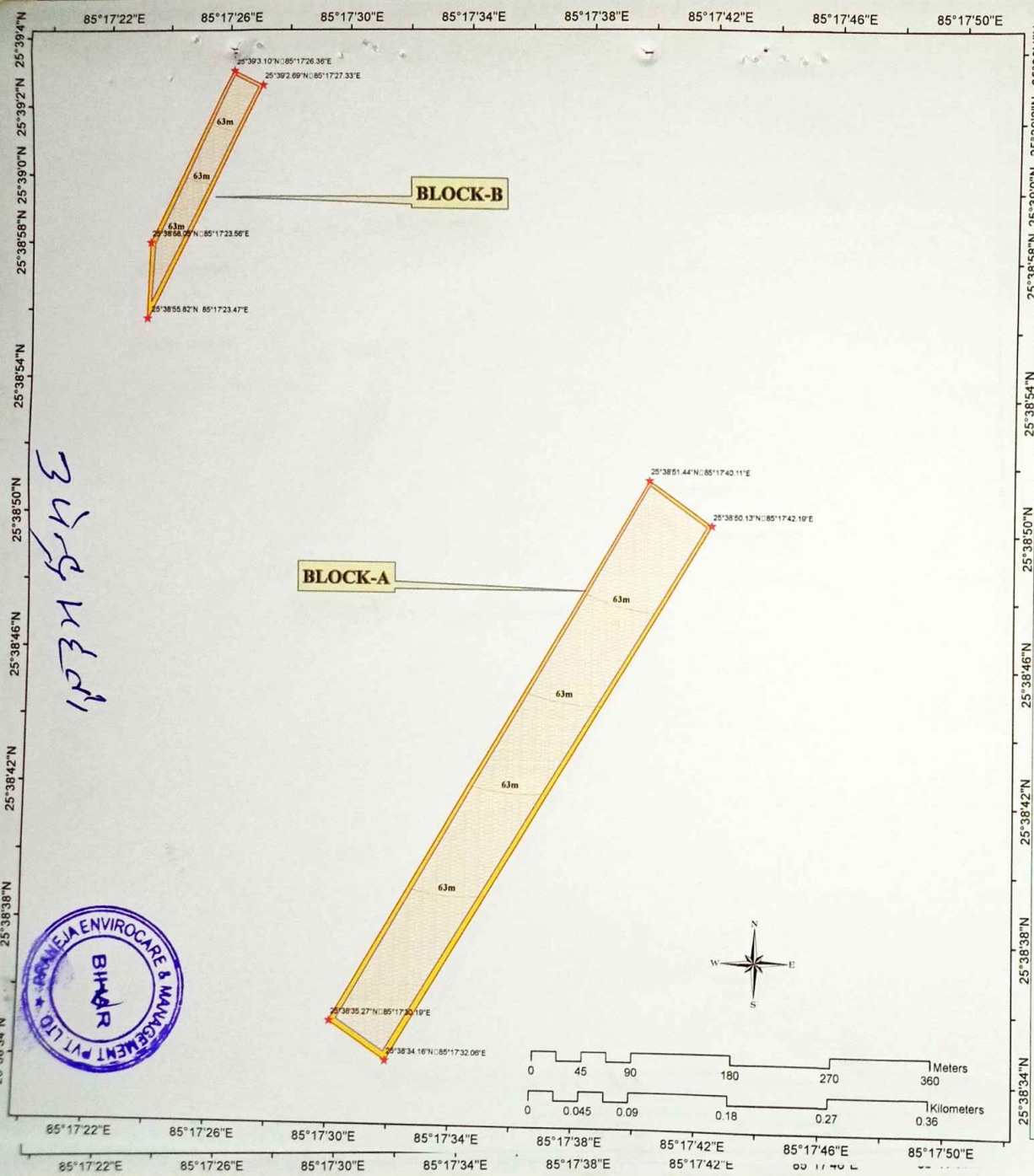
Mauza- Wariyarpur, Block- Raghopur,
Distt- Vaishali, Bihar
Applicants:
Shri Upendra Mahto
S/o Vanarasi Mahto
AREA- MINING BLOCK-A 3.78 Ha..
Block-B- 0.61 Ha
Mining Depth-2 m

Legend

- GPS Boundary Location
- Project Boundary
- Buffer_500m
- Buffer_2500m

72g2_g6_mosaic1.img
RGB
- Red: Layer_1
- Green: Layer_2
- Blue: Layer_3

Source
TOPOSHEET- 72G/2 AND G/6



Block-A And B Earth Mining Project
MINERAL- EARTH MINING

Mauza- Wariyarpur, Block- Raghopur,
Distt- Vaishali, Bihar
Applicants:
Shri Upendra Mahto
S/o Vanarasi Mahto
AREA- MINING BLOCK-A 3.78 Ha..
Block-B- 0.61 Ha
Mining Depth-2 m

Index

- GPS Boundary Location
- Contour (1m) interval
- Mining Depth 2.0m
- Geological Plan
- Project Boundary
- Agriculture Land (LU) Landuse

PLATE NO-1

SURFACE & GEOLOGICAL PLAN

Block-A And B Earth Mining Project
Applicants:Shri Upendra Mahto
S/o Vanarasi Mahto
Near Maile Chowk, Bhairopur Deodhi,
Vaishali, Biha-844102

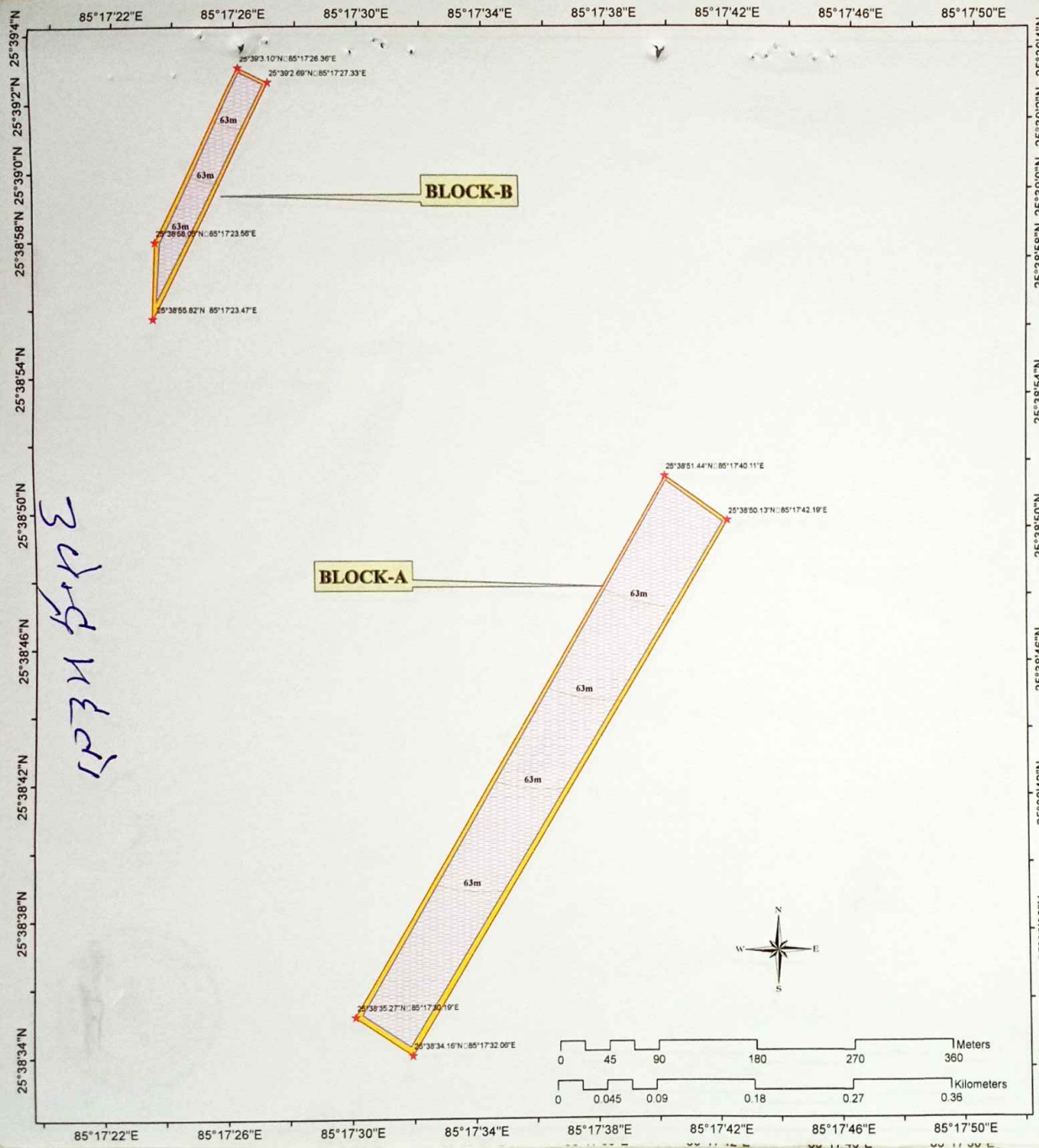
AREA- MINING BLOCK-A 3.78 Ha..
Block-B- 0.61 Ha
Mining Depth-2 m
Mauza- Wariyarpur, Block- Raghopur, Distt- Vaishali, Bihar
SCALE:- 1:500

DATE OF SURVEY

PREPARED BY :-

SIGNATURE

PRANEJA ENVIROCARE & MANAGEMENT PVT LTD BIHAR



Block-A And B Earth Mining Project
MINERAL- EARTH MINING

Mauza- Wariyarpur, Block- Raghopur,
Distt- Vaishali, Bihar
Applicants:
Shri Upendra Mahto
S/o Vanarasi Mahto
AREA- MINING BLOCK-A 3.78 Ha..
Block-B- 0.61 Ha
Mining Depth-2 m

Index

- GPS Boundary Location
- Contour (1m) interval
- Mining Depth 2.0m
- Geological Plan
- Project Boundary
- Agriculture Land (LU) Landuse

PLATE NO-2

DEVELOPMENT PLAN

Block-A And B Earth Mining Project
Applicants:Shri Upendra Mahto
S/o Vanarasi Mahto
Near Maile Chowk, Bhairopur Deodhi,
Vaishali, Biha-844102

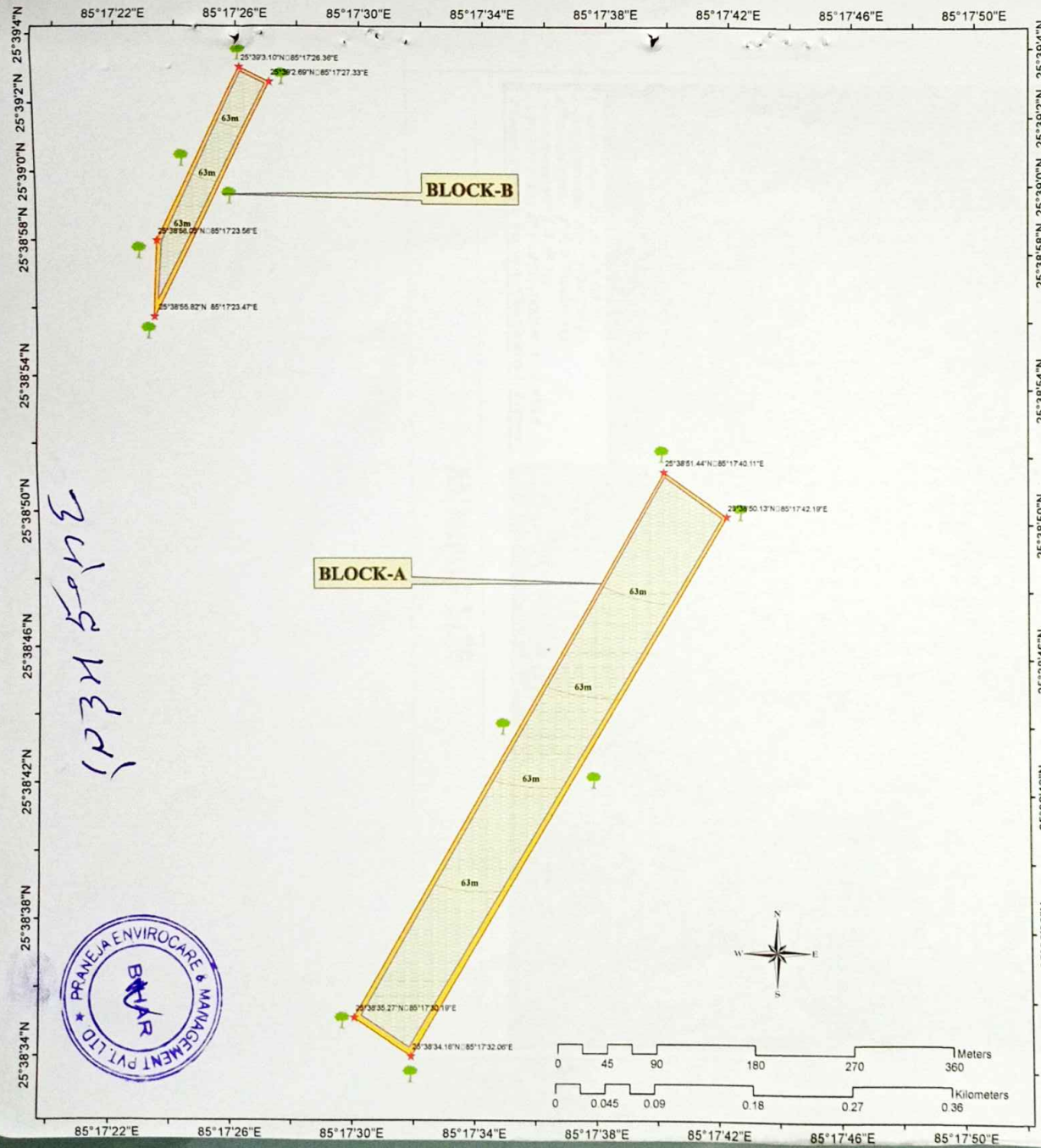
AREA- MINING BLOCK-A 3.78 Ha..
Block-B- 0.61 Ha
Mining Depth-2 m
Mauza- Wariyarpur, Block- Raghopur, Distt- Vaishali, Bihar
SCALE:- 1:2400

DATE OF SURVEY

PREPARED BY

SIGNATURE

PRANEET ENVIROCARE & MANAGEMENT PVT LTD
BIHAR



PRANEJA ENVIROCARE & MANAGEMENT PVT. LTD. BIHAR

Block-A And B Earth Mining Project
MINERAL- EARTH MINING

Mauza- Wariyarpur, Block- Raghopur,
Distt- Vaishali, Bihar
Applicants:
Shri Upendra Mahto
S/o Vanarasi Mahto
AREA- MINING BLOCK-A 3.78 Ha..
Block-B- 0.61 Ha
Mining Depth-2 m

Index

- EMP
- GPS Boundary Location
- Contour (1m) interval
- Mining Depth 2.0m
- Geological Plan
- Project Boundary
- Agriculture Land (LU) Landuse

PLATE NO-3

EMP PLAN

Block-A And B Earth Mining Project
Applicants:Shri Upendra Mahto
S/o Vanarasi Mahto
Near Maile Chowk, Bhairopur Deodhi,
Vaishali, Biha-844102

AREA- MINING BLOCK-A 3.78 Ha..
Block-B- 0.61 Ha
Mining Depth-2 m
Mauza- Wariyarpur, Block- Raghopur, Distt- Vaishali, Bihar
SCALE:- 1:2400

DATE OF SURVEY

PREPARED BY :-

SIGNATURE

ANNEXURE 2



MINING SITE

PRAJNEYA ENVIRO CARE & MANAGEMENT PVT. LTD. BIHAR

C241200004153BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153E

ANNEXURE 3

INDIA JUDICIAL
Government of Bihar

BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153E

e-Court Fee

BIHARSTATECO-OPERATIVE BANK,SCBBIHARSTATECO-OPERATIVE BANK,SCBBIHARSTATECO-OPERATIVE BANK,SCBBIHARSTATECO-OPERATIVE BANK,SCBBIHARSTATECO-OPERATIVE B

e-Court Fee Receipt No.	:	BRECR003C241200004153
Date & Time	:	02-Dec-2024 02:16 PM
Name of the ACC/Registered User	:	Bihar State Co-operative Bank, SCB
Location	:	Civil Court Patna
Name of Applicant	:	CIVIL COURT PATNA
e-Court Fee Amount	:	100 (One Hundred Rupees Only)

NOTARY
RAMANUJ PRASAD
Area PATNA
Reg.No.-60 /J/2022
Exp.Date-10/07/2027
GOVT. OF BIHAR

BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153E

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IN 2402601492

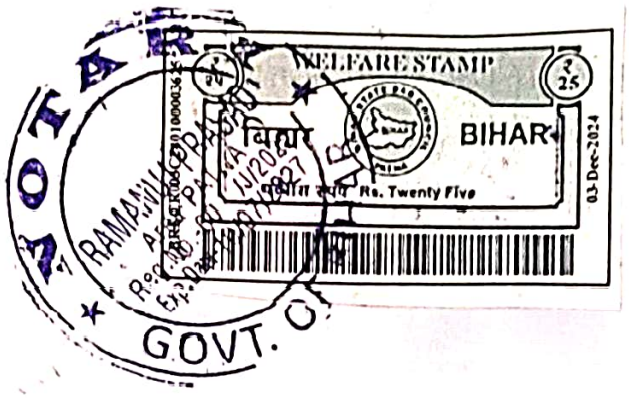
BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153BRECR003C241200004153E
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3. In case of any discrepancy please inform the Competent Authority.

CIVIL COURT PATNACIVIL COURT PATNACIVIL COURT PATNACIVIL COURT PATNACIVIL COURT PATNACIVIL COURT PATNACIVIL COURT PATNACIVIL COURT PA



Shri/Smt. Upendra Mahto
Who is identified by Sri.....
Advocate Solemnly affirmed
& date before me
11/12/24
Ramanuj Prasad
Notary Patna

Date: 11/12/24

AFFIDAVIT

I, Upendra Mahto (applicant) S/o Vanarsi Mahto resident at Malle Chowk, Bhairopur Deodhi, Vaishali, Bihar- 844102, With respect to 'Proposed soil mining project' located at Mauza- Wariyarpur, Block- Raghopur, Dist- Vaishali, Bihar of total lease area 4.39 Ha, having a Maximum Proposed Production Capacity 73,093 cum, do hereby solemnly affirm and declare as under:

- That this is a fresh cluster project with total area 4.39 Ha within 500 m radius.

Signature of Deponent

Correspondent address: Maile Chawk, Bhairopur Deodhi, Vaishali, Bihar- 844102

VERIFICATION

Verified at ..... On ..... 2024 that the contents of the accompanying affidavit are true and correct to the best of my knowledge and belief and no part thereof is false and nothing material has been suppressed/concealed therein.

Signature of Deponent



I, Identify the deponent's Signature/LTI/RTI who has/have affixed in my presence

11/12/24

Advocate

ANNEXURE 4

LAND DEED & REVENUE RECEIPT

Prohibition Excise &
Registration Department,
Government of Bihar

INDIA NON JUDICIAL

Other

First Party Name *	: Not Applicable
Second Party Name *	: UPENDRA MAHATO
Purchased By *	: UPENDRA MAHATO
Certificate Number	: BR038161211730792641683
Consideration Price	: ₹0.00/-
Stamp Duty Paid	: ₹1000.00/-
Registration Fee & Other Fees	: ₹0.00/-
LLR & Proc Fee	: ₹0.00/-
Miscellaneous Fees	: ₹0.00/-
Discore SC	: ₹0.00/-
Total Amount	: ₹1000.00/- (One Thousand)

---------- This stamp paper will only be valid if embossed below with special RED ink impression ----------

NOTARY Kameshwer Roy Vaishali (Hajipur) N.No.-7424/12J Government of Bihar (India)

प्रथम पक्ष

मैं, रणधीर राय, अमधीर राय, धर्मधीर राय, तीनों पिता-राजेन्द्र राय, ग्राम-माईल, पोस्ट- भैरोपुर, जिला-वैशाली, थाना-बिदुपुर, मैं अपना जमीन 2 मीटर मिट्टी साधारण दे रहा हूँ 2 मीटर मिट्टी काटने के लिए, जिसका खाता 127 खेसरा 384 रकबा 4 एकड़ 84 डिसमिल है जिसका मौजा-चरियारपुर है। कार्य के लिए ।

रामचरण राय, पिता- नारायण राय, ग्राम-माईल, पोस्ट- भैरोपुर, जिला- वैशाली थाना-बिदुपुर, मैं अपना जमीन 2 मीटर मिट्टी साधारण दे रहा हूँ 2 मीटर मिट्टी काटने के लिए जिसका खाता 127 खेसरा385 रकबा 4 एकड़ 51 डीसमिल है, जिसका मौजा-चरियारपुर है ।

रामबली राय, राम स्वार्थ राय, दोनों भाई के पिता-स्व0 रघुनी राय, ग्राम-माईल, पोस्ट- भैरोपुर, थाना-बिदुपुर, जिला-वैशाली, मैं अपना जमीन अपने मर्जी से 2 मीटर मिट्टी काटने के लिए साधारण मिट्टी दे रहा हूँ । जिसका खाता

3 Photocopies

BIHAR PRIDE ENVIROCARE & MANAGEMENT PVT. LTD.

113 खेसरा- 211, रकबा । एकड़ 52 डिसमिल है । जिसका सभी मौजा- बरियारपुर है । दूसरा पक्ष - उपेन्द्र महतो, पिता- बनारसी महतो, ग्राम- माईल, पोस्ट-भैरोपुर, थाना-बिदुपुर, जिला-वैशाली (बिहार) का रहने वाला हूँ, जिसका 2 मीटर मिट्टी साधारण खोदने/~~का~~ कटाई ~~सहमति दे~~ ~~रहा हूँ~~ अपना मर्जी से ।

उपेन्द्र महतो

जिसका-	खाता	खेसरा	एकड़	डिसमिल	मौजा
	127	384	4 एकड़	84 डिसमिल	मौजा-बरियारपुर
	127	385	4 एकड़	31 डिसमिल	मौजा-बरियारपुर
	113	211	1 एकड़	52 डिसमिल	मौजा-बरियरपुर

NOTARY Kameshwer Roy Vaishali (Hajipur) N.No.-7424/12J Government of Bihar (India)

प्रथम पक्ष का हस्ताक्षर

रणवीर राय
धर्मवीर राय
शत्रुघ्न राय
राजकरन राय
रामसोहाय राय
रामबल्ली राय

द्वितीय पक्ष का हस्ताक्षर

उपेन्द्र महतो

ATTESTED 05/11/24 NOTARY (K. ROY) VAISHALI, N No.-7424/12J

उपेन्द्र महतो

PRANEJA ENVIROCARE & MANAGEMENT PVT LTD BMAR

बिहार भूमि

बिहार सरकार
राजस्व एवं भूमि सुधार विभाग

विवरण

भाग वर्तमान	1	पृष्ठ संख्या	127
जिला का नाम	Vaishali	अनुमंडल नाम	Hajipur
अंचल का नाम	Raghopur	हलका का नाम	सरायपुर
मौजा का नाम	बरियारपुर	होल्डिंग संख्या	N/A
थाना नाम	Vaishali	राजस्व थाना नंबर	553
तौजी संख्या	0	इस्टेट का नाम	BiHAR

क्र० स०	रैयत का नाम	जाति	निकासी
1	नारायण राय पिता/बाप/अबू - चुल्हाई राय	N/A	
2	राजेंद्र राय पिता/बाप/अबू - महावीर राय	N/A	

प्लॉट का विवरण

क्र० स०	खाता नंबर	प्लॉट संख्या	रकबा
1	127	384	4 एकड़ 84 डिसमील 0 हेक्टर
2	127	385	4 एकड़ 51 डिसमील 0 हेक्टर

रकबा का कुल परिमाण : 9 एकड़ 35 डिसमील 0 हेक्टर

निधारित लगान दर

क्र० स०	भू-लगान	शिक्षा सेस	रोड सेस	स्वास्थ्य सेस	कृषि सेस	कुल
1	270.00	135.00	67.50	135.00	54.00	661.50

अंतिम भुगतान का विवरण

No last payment exists.

अंतिम रसीद का विवरण

बकाया राशि का विवरण

रांची

HOUSE & MANAGEMENT CONSULTANTS LTD. BIHAR

उपेन्द्र मेहतो

बिहार सरकार

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

ऑनलाइन
Running Unique No.: 230924020213957442491
(Receipt No.)

जिला :- Vaishali	अंचल :- Raghopur
हल्का :- सराचपुर	मौजा :- बरियारपुर
जमाबन्दी संख्या :- 217 भाग वर्तमान :- 2 भाग संख्या :- 216 कंप्यूटरीकृत जमाबन्दी संख्या :- 2241279000060011	मौजा/थाना संख्या :- 353
जमाबंदी रैयत का नाम :- रामवती राय,रामस्वारथ राय अभिभावक का नाम :- रघुनी राय,रघुनी राय	पता :- ..

खाता संख्या	खेसरा संख्या	रकबा/डिसमिल
113	211	1 एकड़ 52 डिसमील 0 हेक्टेयर

सालाना मांग(बकाया और वर्तमान) चालू वित्तीय वर्ष का

वित्तीय वर्ष	सालाना दर	बकाया	वर्तमान	सूद	कुल	अभिमुक्ति(बकाया का वर्ष कब से कब तक)
जमाबंदी लगान	50.00	750.00	50.00	0.00	800.00	2009-2010 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	72.50	1087.50	72.50	0.00	1160.00	2009-2010 से 2024-2025
कुल	122.50	1837.50	122.50	0.00	1960.00	2009-2010 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) अभिमुक्ति
लगान	750.00	50.00	800.00	2009-2010 से 2024-2025
सेस(लगान का 50 प्रतिशत स्वास्थ्य सेस, 50 प्रतिशत शिक्षा सेस, 25 प्रतिशत रोड सेस एवं 20 प्रतिशत कृषि सेस)	1087.50	72.50	1160.00	2009-2010 से 2024-2025
कुल	1837.50	122.50	1960.00	2009-2010 से 2024-2025

कुल बकाया-1960.00
वसूल की गयी राशि शब्दों में- One Thousand Nine Hundred Sixty Rupees

दिनांक- 24-09-2024

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

Print

समक्ष,

लेख्य प्रमाणक,

हाजीपुर , वैशाली ।

शपथ - पत्र

मै, राज करण राय , पिता - स्व0 नारायण राय , ग्राम [illegible] पो0 - भेरोपुर , थाना - विदुपुर जिला - वैशाली शपथ पूर्वक बयान करता हूँ कि -

1, यहकि मैं उपरोक्त पता का स्थायी निवासी हूँ।

2. यह कि मेरे परिवार का वंशावली निम्न प्रकार है -

स्व0 चुल्हाई राय

।

स्व0 नारायण राय

।

राज करण राय

3. यहकि आवश्यक कार्य हेतु वंशावली हेतु शपथ पत्र बना रहा हूँ।

4. यहकि उपरोक्त वर्णित सारी बातें मेरी जानकारी से सही है।

अतः यह शपथ - पत्र है।

शपथकर्ता - राज करण राय जो

श्री - [illegible]

अधिवक्ता हाजीपुर के द्वारा जाने वो पहचाने गये वो शपथ पत्र इनके इल्म से सही है।

21.10.24

लेख्य प्रमाणक, हाजीपुर, वैशाली

राजकरण राय

शपथकर्ता का हस्ताक्षर

प्रमाणित किया जाता है कि शपथकर्ता के द्वारा जाने वो पहचाने गये वो शपथ पत्र इनके इल्म से सही है ।

Sanjay Kumar Jaw. 21/10/24

अधिवक्ता हाजीपुर , वैशाली

NOTARY
VAISHALI (BIHAR)
No. 7424/12

INDIA JUDICIAL

Government of Bihar

1878
2/1

e-Court Fee

e-Court Fee Receipt No.	:	BRECR079C241000039668
Date & Time	:	17-Oct-2024 11:15 AM
Name of the ACC/ Registered User	:	District Co-operative Central Bank, Vaishali
Location	:	Civil Court Vaishali (Hajipur)
Name of Applicant	:	DEPONENT
e-Court Fee Amount	:	100 (One Hundred Rupees Only)

NOTARY
Kameshwer Roy
Vaishali
(Hajipur)
N.No.-7/24/123
Government of Bihar (India)

IIN 2402120733

Statutory Alert:
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2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

PRAVEEN ENVIROCARE & MANAGEMENT PVT. LTD. BIHAR

44

समक्ष,

श्रेष्ठ प्रमाणक,
हाजीपुर ,वैशाली ।

शपथ - पत्र

मैं, रणवीर राय , पिता - स्व0 राजेन्द्र राय , ग्राम - [illegible] , पो - [illegible] थाना - चिरैया , जिला - वैशाली [illegible] निम्नांकित [illegible]

1. यह कि मैं उपरोक्तपत्ता का स्थायी निवासी हूँ।

2. यह कि मेरे परिवार का वंशावली निम्न प्रकार है -

स्व0 महावीर राय

स्व0 राजेन्द्र राय ,

रणवीर राय धर्मवीर राय सनवीर राय

3. यह कि आवश्यक कार्य वास्ते वंशावली हेतु शपथ पत्र बना रहा हूँ।

4. यह कि उपर्युक्त शपथ पत्र में वर्णित तथ्य मेरी जानकारी [illegible]

अतः यह शपथ - पत्र है।

शपथकर्ता - रणवीर राय जो
श्री - [illegible]
अधिवक्ता हाजीपुर वैशाली जाने
वो पहचाने गये वो शपथ पत्र इनके
इल्म से सही है।

21/10/24
श्रेष्ठ प्रमाणक, हाजीपुर ,वैशाली ।

[illegible]
शपथकर्ता का हस्ताक्षर

प्रमाणित किया जाता है कि शपथकर्ता मेरे
द्वारा जाने वो पहचाने गये वो शपथ पत्र
इनके इल्म से सही है।

21/10/24
अधिवक्ता हाजीपुर ,वैशाली

NOTARY
VAISHALI (BIHAR)
No.-7424/12

INDIA JUDICIAL

Government of Bihar

1878
9.10

e-Court Fee

e-Court Fee Receipt No.	:	BRECR079C241000039664
Date & Time	:	17-Oct-2024 11:11 AM
Name of the ACC/ Registered User	:	District Co-operative Central Bank, Vailshali
Location	:	Civil Court Vaishali (Hajipur)
Name of Applicant	:	DEPONENT
e-Court Fee Amount	:	100 (One Hundred Rupees Only)

NOTARY Rameshwer Roy Vaishali (Hajipur) Government of Bihar (India)

THE V.D.C.C.O-BANK LTD. Branch-Hajipur Vaishali

IN 2402120630

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3. In case of any discrepancy please inform the Competent Authority.

BIHAR

अंगूठे का निशान

समक्ष,

क्षेत्र प्रभारक,

हाजीपुर ,वैशाली ।

शपथ - पत्र

मै, उपेन्द्र महतो , पिता - स्व॰ सरती महतो , उम्र- 50 वर्ष , पेशा - [illegible] ,

पो॰ - भेरोपुर , थाना - विदुपुर , जिला - वैशाली पिन - 844102 का निवासी

हूँ यो मेरा आधार नं॰ - 6917 4949 7958 एवं पेन कार्ड नं॰ - सी॰ जी॰ पी॰ के॰ पी॰

4506 एन है मै घोषणा करता हूँ कि -

1. यहकि मै मिट्टी खरीद - बिक्री का कारोबार करूँगा ।

2. यह कि आस - पास के गाँवो मे घर निर्माण के दौरान मिट्टी भराई की आवश्यकता होती है , जो आसानी से नहीं मिलती के आपूर्त्ति करूँगा ।

3. यहकि विकास के कार्य हेतु नजदीकी पंचायतो मे मिट्टी उपलब्ध कराई जायेगी ।

4. यह कि खनन एवं भूतत्व विभाग , बिहार सरकार एवं अन्य संबंधित विभागो के प्राधिकारो का समस्त नियमो का उचित: अनुपालन किया जायेगा ।

5. यहकि मिट्टी का खनन परमिट मिलने के उपरान्त ही किया जायेगा एवं समय - समय पर विभाग को मिट्टी आपूर्ति संबंध की पूर्व सूचना प्रदान की जायेगी ।

स्थान

दिनांक -

उपेन्द्र महतो

ह0

उपेन्द्र महतो

21/10/24

NOTARY
JAISHALI (BIHAR)
No.-7424/12

Sanjay Kumar
21/10/24

47

उपेन्द्र महतो

INDIA JUDICIAL

Government of Bihar

18785
21.10.24

e-Court Fee

e-Court Fee Receipt No.	:	BRECR079C241000015265
Date & Time	:	05-Oct-2024 02:59 PM
Name of the ACC/ Registered User	:	District Co-operative Central Bank, Vaishali
Location	:	Civil Court Vaishali (Hajipur)
Name of Applicant	:	DEPONENT
e-Court Fee Amount	:	100 (One Hundred Rupees Only)

NOTARY
Government of Bihar (India)

THE V.D.C. CO-BANK LTD. Branch- Hajipur Vaishali

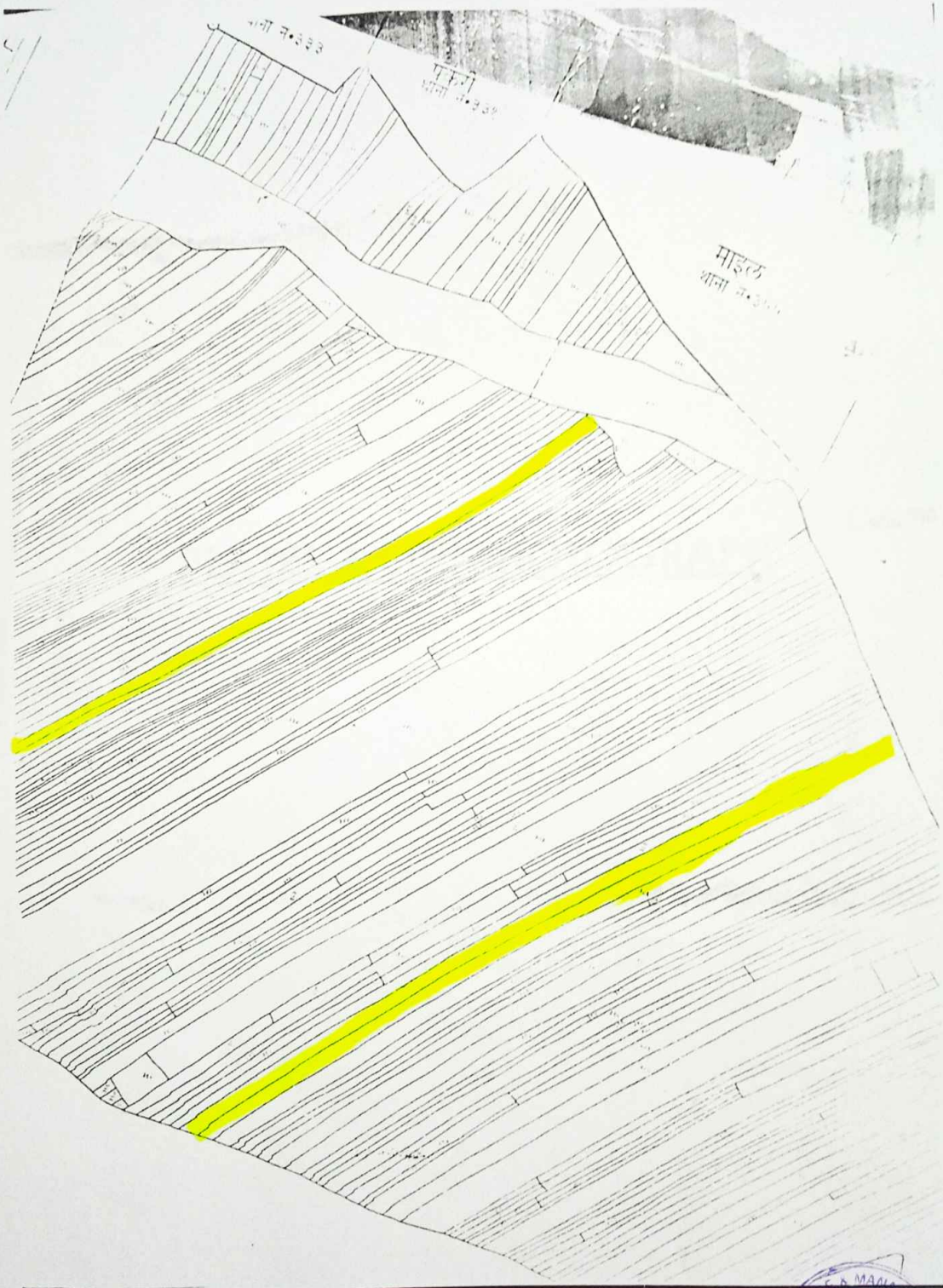
IN 2402075906

Statutory Alert:
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2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

PRAMEJA ENVIROCARE & MANAGEMENT PVT. LTD. BIHAR

KHASRA MAP

PRANAV ENVIRONCHRE & MANAGEMENT OUTLOOK PRIVATE LTD.
PATNA



PLANET ENVIROCARE & MANAGEMENT PVT. LTD.

3 पेज्यु मदो

ANNEXURE 5

BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244B

INDIA JUDICIAL

Government of Bihar

BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244B

e-Court Fee

BIHARSTATECO-OPERATIVE BANK,SCBBIHARSTATECO-OPERATIVE BANK,SCBBIHARSTATECO-OPERATIVE BANK,SCBBIHARSTATECO-OPERATIVE B

e-Court Fee Receipt No.	:	BRECR003C241200004244
Date & Time	:	02-Dec-2024 02:23 PM
Name of the ACC/Registered User	:	Bihar State Co-operative Bank, SCB
Location	:	Civil Court Patna
Name of Applicant	:	CIVIL COURT PATNA
e-Court Fee Amount	:	100 (One Hundred Rupees Only)

NOTARY ★ GOVT. OF BIHAR ★ RAMANUJ PRASAD Area-PATNA Reg.No.-60 /1/2022 Exp.Date-10/07/2027 [illegible]

BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244E

BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244E

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IN 2402601583

BRECR003 BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244BRECR003C241200004244E

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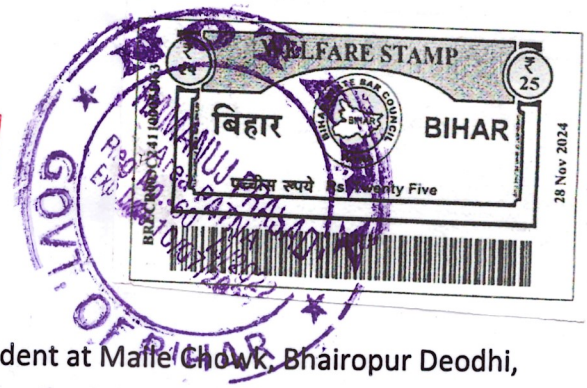
Statutory Alert :

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Shri/ Smt... Upendra Mahto
Who is identified by Sri.....
Advocate Solemnly affirmed
declare before me
20/11/24
Ramanuj Prasad
Notary Patna

AFFIDAVIT



I, Upendra Mahto (applicant) S/o Vanarsi Mahto resident at Maile Chowk, Bhairopur Deodhi, Vaishali, Bihar- 844102, With respect to 'Proposed soil mining project' located at Mauza-Wariyarpur, Block- Raghopur, Dist- Vaishali, Bihar of total lease area 4.39 Ha, having a Maximum Proposed Production Capacity 73,093 cum, do hereby solemnly affirm and declare as under:

1. That I have engaged M/s Ecomen Mining Pvt. Ltd. (Accredited by QCI-NABET) for preparation of EIA/EMP Report on my behalf and I endorse the acts of my consultant.
2. There is no litigation pending against the project 'proposed soil mining project' located at Mauza-Wariyarpur, Block- Raghopur, Dist- Vaishali, Bihar and / Or land in which the project is proposed in any court of law including in National Green Tribunal or other forum and that for any such litigation , whatsoever, the sole project proponent alone shall be responsible.
3. There is no Mining activities pertaining to this project undertaken at the project site.
4. There is no difference in the documents submitted i.e., Form 1, Form 1A, Pre - Feasibility Report, Conceptual Plan, Form -2 , EIA / EMP report , Mining Plan and presentation being made to the SEAC/SEIAA, Bihar.
5. That the project has been uploaded for the first time on Parivesh Portal. In case the same project has been uploaded again due to any reason, the withdrawal of previous project has been accepted by SEIAA, Bihar on Parivesh Portal.
6. That there is no mismatch between information/data provided on online application and hard copy/presentation submitted.
7. That the data and information given in the application and enclosures for environmental clearance are true to the best of my knowledge and belief without concealing any fact.
8. That if any part of data and information submitted is found to be false or misleading at any stage the project proponent's application will be rejected and clearance given, if any to the project will be revoked at our risk and cost.

9545 08/11/24

Signature of Deponent
Correspondent address: Maile Chawk, Bhairopur Deodhi, Vaishali, Bihar- 844102

VERIFICATION

Verified at ..... On ..... 2024 that the contents of the accompanying affidavit are true and correct to the best of my knowledge and belief and no part thereof is false and nothing material has been suppressed/concealed therein.

Signature of Deponent

Identify the deponent & Signature/Thumb who has/have affixed in my presence
20/11/24

NOTARY RAMANUJ PRASAD Regd. No. 60 Patna 20/11/2024 GOVT. OF BIHAR

INDIA JUDICIAL
Government of Bihar

e-Court Fee

BIHAR STATE CO-OPERATIVE BANK, SCB

e-Court Fee Receipt No.	:	BRECR003C241200004205
Date & Time	:	02-Dec-2024 02:20 PM
Name of the ACC/Registered User	:	Bihar State Co-operative Bank, SCB
Location	:	Civil Court Patna
Name of Applicant	:	CIVIL COURT PATNA
e-Court Fee Amount	:	100 (One Hundred Rupees Only)

NOTARY GOVT. OF BIHAR
RAMANUJ PRASAD
Area: PATNA
Reg. No.-60 /2022
Exp. Date-10/07/2027

IN 2402601544

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2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

Shri/Smt. Rajneesh
Who is identified by Sri .....
Advocate Solemnly affirmed
declare before me
08/11/24
Ramanuj Prasad
Notary Patna

WELFARE STAMP
बिहार
BIHAR
Rs. Twenty Five
28 Nov 2024

NOTARY
RAMANUJ PRASAD
Area PATNA
Reg.No.-60
Exp.Date-10/07/2027
GOVT. OF BIHAR

AFFIDAVIT

I Rajneesh Gender Male aged about 42 Years S/o Raj bahadur resident of Sajeti, Aanupur, Kanpur Nagar, Uttar Pradesh is the EIA Coordinator of M/s Ecomen Mining Pvt. Ltd. (QCI / NABET Accredited) do hereby solemnly affirm and declare as under:

9598 08/11/24

1. I have prepared EMP / PFR report for "Proposed soil mining project located at Mauza-Wariyarpur, Block- Raghopur, Dist- Vaishali, Bihar of total lease area 4.39 Ha, having a Maximum Proposed Production Capacity 73,093 cum" with my team.
2. I have personally visited the site of proposal and certify that no Mining activities has been undertaken on the project site for the present proposal.
3. I am satisfied that all the necessary data/information required for EIA/EMP preparations are true and correct.
4. I certify that the project has been uploaded for the first time on Parivesh Portal. In case the same project has been uploaded again due to any reason, the withdrawal of previous project has been accepted by SEIAA, Bihar on Parivesh Portal.
5. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

Signature of Deponent
Mobile No. 9452878830
E-Mail ID: support@ecomen.in/ contactus@ecomen.in
Correspondent address: Ecomen Mining Pvt. Ltd, Second Floor Hall, House no. B -1/8, Sector –H, Aliganj, Lucknow – 226024

VERIFICATION

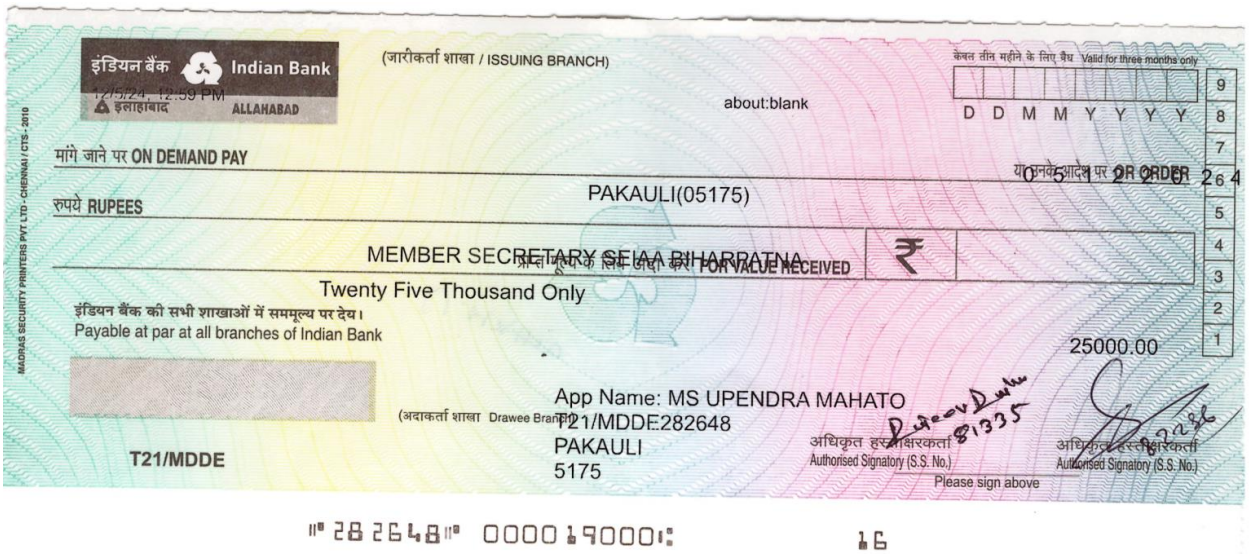
Verified at ..... On ..... 2024 that the contents of the accompanying affidavit are true and correct to the best of my knowledge and belief and no part thereof is false and nothing material has been suppressed/concealed therein.

Signature of Deponent

NOTARY
RAMANUJ PRASAD
Area PATNA
Reg.No.-60
Exp.Date-10/07/2027
GOVT. OF BIHAR

I identify the deponent & Signature/Thumb
who has/have affixed in my presence
08/11/24

ANNEXURE 6



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