

To,

Date: 27.12.2024

The Member Secretary

State 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 Brick earth mining project is located at Thana no. 44, Khata no: 215, Khasra No: 472, at Mauza-Sabalpur, Block-Patna Sadar, Dist.- Patna, Bihar over a proposed mining area: 2.29 Ha. Proposed mining of Brick earth is permitted to the **M/s. Radha Bricks**, Authorized person is Mr. Sandeep Kumar, **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 EC Application for grant of Environment Clearance for Proposed Brick earth mining project is located at Thana no. 44, Khata no: 215, Khasra No: 472, at Mauza-Sabalpur, Block-Patna Sadar, Dist.- Patna, Bihar over a proposed mining area: 2.29 Ha. Proposed mining of Brick earth is permitted to the M/s. Radha Bricks, Authorized person is Mr. Sandeep Kumar.

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

For M/s Radha Bricks



Mr. Sandeep Kumar
(Authorized Person)

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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. 250m 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 the mined-out Brick Earth will be used for making kachcha bricks i.e. captive consumption which will be subjected to firing in the brick kiln.
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 favour of Member Secretary, SEIAA, Bihar Payable at patna). (Annexure-3)	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
13.	Other direction as mentioned in the Office Memorandum L-11011/47/2011 – 1A.II (M), dated 24.06.2013.	Complied.



CAF

Form 2

Basic Information

14. Category of the Project/Activity

Project Details

20. Details of CTE

Product Details

22. Details of Products & By-products

23. Whether any other Environmental Sensitive area exists within 10 Km from the project/activity boundary?	No
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Note : Others, inter alia, includes areas protected under international conventions/ Area important or sensitive ecological reasons/ Sensitive species of flora or fauna/ Inland or coastal/ Tourist places/ Defence installations / Densely populated areas/ Areas containing important, high quality, or scarce resources/ Areas susceptible to natural Hazards

Construction Details

25. Use of resources for construction or operation of the project	
25.1. Whether requirement of water involved in the project?	Yes

Details of Water requirement during Construction stage

Details of Water requirement during Operational stage

25.2. Other information, if any	NA
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25.3.	Whether requirement of Minerals and/or fuels involved in the project?	No	
25.4.	Construction material	No	
25.5.	Electric Power:	No	
25.6.	Whether any use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies) required?	No	

Physical Changes

26.	Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality:		
26.1.	Whether any permanent or temporary change in land use, land cover or topography due to project activity?	No	
26.2.	Whether any clearance of existing vegetation due to project activity?	No	
26.3.	Whether any loss of native species or genetic diversity?	No	
26.4.	Whether any closure or diversion of existing transport routes or infrastructure due to project leading to changes in traffic movements?	No	
26.5.	Whether any closure or diversion of water bodies present in project area or realignment of water courses passing through project area?	No	
26.6.	Whether any Facilities for storage of goods or raw materials?	No	
26.7.	Whether any other information would like to submit?	No	

Pollution Details

27.	Release of pollutants to Air and Mitigation measures		
27.1.	Whether any probable air pollutants generated?	No	
27.2.	Other information, if any	NA	
28.	Generation of Noise & Vibration and mitigation measures		
28.1.	Whether any probable generation of Noise and vibration from the proposed project?	No	
28.2.	Whether any probable generation of Light and Heat?	No	
29.	Discharge of pollutants to water and mitigation measures		
29.1.	Whether any probable water pollutants generated?	No	
30.	Details of reuse / recycle of wastewater		
	Details	Qty / Capacity	
30.1.	Quantity of waste water generation per day (KLD)	0	
30.2.	Quantity of treated water proposed to use per day (KLD)	0	
30.3.	Quantity of treated water proposed to discharge outside the premises (KLD)	0	
30.4.	Purpose for which treated water is proposed to use	0	
31.	Whether it is proposed to opt/avail common off-site Sewage Treatment Plant (CSTP)/Effluent Treatment Plant (CETP) facility?	No	
32.	Whether it is proposed to setup on-site Sewage Treatment Plant (STP)/Effluent Treatment Plant (ETP) facility?	No	
33.	Whether any other mitigation measures proposed?	No	

Water Requirements

30.	Ground water intersection and water conservation measures:		
30.1.	Whether ground water table intersection involved in the project activities?	No	
30.2.	Area category from Groundwater availability perspective?	Safe	
30.3.	Whether Rainwater harvesting proposed	No	
30.4.	Whether any other water conservation measures proposed?	No	

31. Greenbelt

31.1.	Area proposed for green belt (in Ha)	0.7557	3
31.2.	Width of green belt (in m) along the boundaryof the project or activity	1	
31.3.	Percentage of the total area covered under green belt	33	

31.4. Details of the species proposed for plantation	Neem, babool, Aam, Peepal, Arjun, Bargad etc.	
31.5. No. of tree saplings to be planted	290	
31.6. Funds allocated for plantation in Lakhs.	2	

Waste Generation

32. Production of wastes during construction or operation or decommissioning		
32.1. Whether any generation of Solid waste (domestic wastes)?	No	
32.2. Whether any generation of plastic waste?	No	
32.3. Whether any generation of e-waste?	No	
32.4. Whether any generation of batteries waste?	No	
32.5. Whether any generation of Bio-medical waste?	No	
32.6. Whether any generation of hazardous wastes (as per Hazardous Waste Management Rules)?	No	
32.7. Whether any generation of construction or demolition wastes?	No	
32.8. Whether any generation of other wastes?	No	
32.9. Whether any generation of surplus products?	No	
32.10. Whether measures for waste minimization proposed?	No	

33. Mining Proposals

33.1. Details of Letter of Intent (LoI) / Vesting order / Mining Lease					
33.1.1. Date of issue of LoI/Vesting order/Mining Lease	17/10/2024				
33.1.2. Validity of the LoI/Vesting order	16/10/2029				
33.1.3. Lease Period	05/00				
33.1.4. Date of expiry of lease	16/10/2029				
33.1.5. Lease area (in Ha) as per LoI/Vesting order/Mining Lease	2.29				
33.1.6. Production capacity (in MTPA) as per LoI / Vesting Order / Mining lease, if any prescribed	0.0116				
33.1.7. Details of Lease renewal(s), if any	NA				
33.1.8. Other information, if any	NA				
33.2. Status of approval of Mining plan	Approved				
33.3. Minerals to be mined					
Name of Mineral	Classification	Production Capacity		Remarks	
Brick Earth	Minor	0.0116		NA	
33.4. Details of Total excavation (RoM) including Topsoil, Overburden, Mining waste, Rejects, etc.					
33.4.1. Total excavation in MTPA	0.0116				
33.4.2. Total Excavation in M.Cu.m/Annum	0.0076				
33.4.3. Enter stripping Ratio	01:00				
33.4.4. Other information, if any	NA				
33.5. Mineral Reserves					
Name of Mineral	Proved Reserves	Indicated Reserves	Inferred Reserves	Mineable Reserves	Remarks
Brick Earth	0	0	0	0.0583	
33.6. Life of Mine (Years)					
33.6.1. Life of the mine as per approved mining plan	05/00				
33.6.2. Life of the mine as per total estimated reserves, if any	05/00				
33.6.3. Other information, if any	NA				
33.7. Type and method of Mining Method					
33.7.1. Type of mining	Opencast				
33.7.2. Method of mining	Semi-mechanized				
33.7.3. Other information, if any	NA				
33.8. Type of blasting, if any, to be adopted					
33.8.1. Type of blasting	NA				
33.8.2. Mitigation measures for control of blast induced vibrations	NA				
33.8.3. Other information, if any	NA				
33.9. Whether it is proposed to install beneficiation plant/Coal washery within the mining lease area?	No				
33.10. Whether it is proposed to install crusher within the mining lease area?	No				

33.11. Dumping strategy

Description	Area in Ha	Maximum height in m	Remarks
External dump	0	0	0
Internal dump	0	0	0
Topsoil dump/ storage	0	0	0

33.12. Topsoil management

33.12.1. Total Topsoil excavated during the entire life of the mine (in Million Cubic Meter)

0.0034

33.12.2. Utilization strategy of topsoil

Top soil will be preserved and stored at berm area, later it will be used for plantation purposes

33.12.3. Other information, if any

NA

33.13. Details of the Quarry/Mine Pit

33.13.1. Total Quarry Area (Ha)

2.29

33.13.2. Enter Area of final void (in Hectare)

2.061

33.13.3. Maximum Depth of final void (in meter)

2

33.13.4. Other information, if any

NA

33.14. Details of Transportation

33.14.1. Mode of transportation upto pit head

Tractor/Back hoe loader

33.14.2. Mode of transportation from pit head to siding/loading

Back hoe loader

33.14.3. Mode of transport from loading point to consumers

Road

33.14.4. Other information, if any

NA

33.15. Details of reclamation/post mining land use

33.15.1. Plantation area (ha)

0.7557

33.15.2. Water body in Ha

0

33.15.3. Public use in Ha

0

33.15.4. Enter Other uses in Ha

0

33.16. Details of DSR; Cluster and Replenishment study

33.16.1. Whether approved DSR available

No

33.16.2. Whether the instant proposal is part of cluster

No

33.17. Production details for expansion / modernization proposals

Financial Year	Sanctioned Capacity(MTPA) as per			Actual Production	Excess Production
	EC	CTO	Approved Mining Plan		

35. Impact Prediction

Air Quality Impact Prediction

Monitoring Location			Criteria Pollutant	Unit	Baseline Concentration [A]	Predicted incremental value considering worst case stability class [B]	Total GLC [A]+[B]	Prescribed Standard
Lat	Long	Core/Buffer						
25° 33' 19"N	85° 15' 58" E	Core Zone	PM 10	Microgram per m3	0	0	0	100

36. Funds Allocated for Environment Management

36.1. Funds Allocated for Environment Management (Capital) (in Lakhs)	3
36.2. Funds Allocated towards Corporate Environmental Responsibility (in Lakhs)	0
36.3. Funds Allocated for Environment Management Plan (EMP) (Recurring per Annum) (in Lakhs)	1.75

Summary of allocation of fund for EMP

EMPs	Capital Cost (INR)	Recurring Cost per Annum (INR)
Pollution Monitoring (air, water, soil and noise)	0.25	0.25
Plantation	2	1
Dust suppression (Water tanker, sprinkler)	0.25	0.25
Construction and maintenance of haul road	0.5	0.25
Total	3	1.75

Consultant Details

37. Whether QCI/NABET Accredited EIA Consultant engaged?	Yes
37.1. Accreditation No. / Organization Id	ORG000685
37.2. Name of the EIA Consultant Organization	Ecomen Mining Pvt. Ltd. (formerly known as Ecomen Laboratories Pvt Ltd.)
37.3. Address	Second Floor Hall, House no. B -I/8, Sector -H, Aliganj, Lucknow - 226024
37.4. Mobile No.	9335947470
37.5. E-mail Id	contactus@ecomen.in
37.6. Category of Accreditation (Eligible for Category A / Eligible for Category B)	A
37.7. Sector(s) of Accreditation	1,4,7,25,12,38,8,21,22,9,28,33,34,39,31,32,37,11,3
37.8. Validity of Accreditation	03/10/2026

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38. Enclosures

38.1.	Upload copy of approved mining plan from the concerned authorities	approved mine plan.pdf 115969741
38.2.	Upload copy of District Survey Report	not applicable.pdf
38.3.	Upload copy of Replenishment Study Report	not applicable.pdf
38.4.	Letter of Intent / Mining Lease	land document.pdf
38.5.	Implementation of "Sustainable Sand Mining Management Guidelines, 2016" and Enforcement & Monitoring Guidelines for Sand Mining, 2020", in case of sand mining proposals	not applicable.pdf Preview
38.6.	Compliance of Hon'ble Supreme Court Judgment dated 02.08.2017 passed in Common Cause vs Union of India writ Petition (C) 114 of 2014.	not applicable.pdf
38.7.	Cluster Certificate from state mines and geological department	affidavit_500m.pdf
38.8.	Upload Copy of EMP Report.	emp.pdf
38.9.	Layout Plan showing the components of the project and green belt proposed; general location and specific location of the project along with coordinates	surface & emp plan.pdf
38.10.	Upload AdditionalFile File, if any (pdf only)	not applicable.pdf

39. Additional Information

S. No.	Document Name	Remark	Document
1	Single PDF	EC application_Single File	ec application_radha bricks.pdf Preview

Undertaking

40.

☐ I hereby give undertaking that the data and information given in the application and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the project will be rejected and clearance given if any to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without prior EC.

40.1.	Name	SANDEEP KUMAR
40.2.	Designation	Proprietor
40.3.	Company	SANDEEP KUMAR
40.4.	Address	Moh- Nuruddinganj, P.O.- Madho ji Mills, P.S.- Malsalami, Patna
40.5.	Date	27-12-2024

PREFEASIBILITY REPORT

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The proposed Brick earth mining project is located at Thana no. 44, Khata no: 215, Khasra No: 472, at Mauza-Sabalpur, Block-Patna Sadar, Dist.- Patna, Bihar over a proposed mining area: 2.29 Ha. Proposed mining of Brick earth is permitted to the **M/s. Radha Bricks**, Authorized person is Mr. Sandeep Kumar, Address: Mohalla-Nuruddinganj, P.O- Madha Mills, P.S- Malsalami, Dist.- Patna, Bihar 800008. The estimated project cost is Rs 12 Lakhs.

1.2 SALIENT FEATURE OF THE PROJECT

S. No.	Particular	Detail			
1.	Project Name	Proposed Brick earth mining project is located at Thana no. 44, Khata no: 215, Khasra No: 472, at Mauza-Sabalpur, Block-Patna Sadar, Dist.- Patna, Bihar			
2.	Location of mine	Mauza-Sabalpur, Block-Patna Sadar, Dist.- Patna, Bihar.			
		Thana No.	Khata no.	Khasra no.	Area (Ha.)
		44	215	472	2.29
3.	Site co-ordinate	Geo-coordinate of the project site:			
		Pillar	Latitude	Longitude	
		A	25°33'24.08"N	85°15'56.55"E	
		B	25°33'22.87"N	85°16'0.58"E	
		C	25°33'21.21"N	85°16'0.53"E	
		D	25°33'19.91"N	85°16'0.10"E	
		E	25°33'18.27"N	85°15'59.33"E	
		F	25°33'16.12"N	85°15'58.06"E	
		G	25°33'16.99"N	85°15'56.55"E	
		H	25°33'18.53"N	85°15'56.96"E	
I	25°33'19.02"N	85°15'55.19"E			
4.	Toposheet number	72G/2 & G/6			
5.	Land use pattern	Barren land			
6.	Minerals of mine	Brick Earth			
7.	Lease period	5 Years			
8.	Total Geological reserves	45,800 m ³			
9.	Total Mineable reserves	38,129 m ³			
10.	Proposed production capacity	7625.8 m ³ / 11,667 Tonnes per annum			

11.	Method of mining	Open cast semi – mechanized method
12.	Man power requirement	9 persons
13.	No of working days	150 Days
14.	Water Demand	5 KLD
15.	Sources of water	Hand pump. Wells & bore Well are the main sources of water.
16.	Nearest State Highway/ National Highway	Fatuha Marg about 0.52 km towards East direction. NH-31 about 0.73 km towards WSW direction.
17.	Nearest Railway Station	Patna Saheb Railway Station is 4.73 km towards NW direction.
18.	Nearest Airport	Jay Prakash Narayan Airport Patna about 17.92 km in WNW direction.
19.	Seismic Zone	Seismic Zone IV
20.	Project cost	Rs 12 lakhs
21.	EMP Cost	Capital cost: Rs 3.00 Lakhs Recurring cost: Rs 1.75 Lakhs

1.3 PROPOSED PLANNING

Mining method - Open cast semi – mechanized method

Project cost – Rs 12 lakhs

Proposed production capacity – 7625.8 m³ / 11,667 Tonnes per annum

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 Brick earth mining project is located at Thana no. 44, Khata no: 215, Khasra No: 472, at Mauza-Sabalpur, Block-Patna Sadar, Dist.- Patna, Bihar over a proposed mining area: 2.29 Ha. Proposed mining of Brick earth is permitted to the M/s. Radha Bricks, Authorized person is Mr. Sandeep Kumar, Address: Mohalla-Nuruddinganj, P.O- Madha Mills, P.S- Malsalami, Dist.- Patna, Bihar 800008.

2.2 BRIEF INFORMATION ABOUT THE PROJECT

The land area is 2.29 Ha. The total mineable reserve available are 38,129 cum 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 mined-out brick earth will be used for making kachcha bricks i.e. captive consumption which will be subjected to firing in the brick kiln.

2.8 EMPLOYMENT GENERATION

Manpower Detail

S. No.	Designation	No. of Person
1.	Administrator cum supervisor	1
2.	Back Hoe Loader Operator	1

3.	Tractor Driver	3
4.	General helper	4
Total		9

3. PROJECT DESCRIPTION

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

The project is of Brick earth 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 Brick earth mining project is located at Thana no. 44, Khata no: 215, Khasra No: 472, at Mauza-Sabalpur, Block-Patna Sadar, Dist.- Patna, Bihar over a proposed mining area: 2.29 Ha. The mining lease area falls in Survey of India, Toposheet number is mentioned below.

Sheet Details

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

Site Co-Ordinates:

Pillar	Latitude	Longitude
A	25°33'24.08"N	85°15'56.55"E
B	25°33'22.87"N	85°16'0.58"E
C	25°33'21.21"N	85°16'0.53"E
D	25°33'19.91"N	85°16'0.10"E
E	25°33'18.27"N	85°15'59.33"E
F	25°33'16.12"N	85°15'58.06"E
G	25°33'16.99"N	85°15'56.55"E
H	25°33'18.53"N	85°15'56.96"E
I	25°33'19.02"N	85°15'55.19"E

3.3 DETAIL OF ALTERNATE SITES

Not Applicable

3.4 SIZE OR MAGNITUDE OF OPERATION

The maximum proposed production will be – 7625.8 m³ / 11,667 Tonnes per annum and the mine leased area is spread over 2.29 Ha. Brick earth mining will be done at the proposed site. It is also proposed that the extraction of soil would be done max up to 2.0 meters depth.

3.5 PROJECT DESCRIPTION WITH PROCESS DETAILS

Proposed mining will be opencast semi-mechanized. Preferably manual mining using hand tools like shovel, spade, sieve etc. shall be promoted Mining will be done only in the applied field (as per Land documents) keeping the nearly plot(s) unaffected Following geo-scientific methods are proposed to earn out the mining activity

3.5.1 METHODOLOGY OF MINING / PROPOSED MINING METHOD

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

Mining will be restricted to the applied fields up to a maximum depth of 2 m from the surface.

- The mining shall be done during daytime only.
- Only 150 working days in a year have been assumed for calculation purpose.
- Before start mining the top fertile soil of each proposed mining field (up to 10-centimeter depth) shall be scraped & stacked on the berm or any earmarked place which will be spread over the mining pit. after completing mining activity, Thus the fertility of land will be restored or used beside the road where plantation is to be done.
- The width and height of final benches shall be 1 m x 0.75 m.
- A ramp / connecting path shall be developed to join next level.
- There will be No drilling and blasting.
- The operation will remain manual, using tools like shovel, spade, sieve etc.
- The water required for casting for bricks will be arranged near the mining site and only casted bricks will be carried to kiln through cart/tractor or by hand loads. The water will be required either the drinking proposed or for casting of bricks.
- 20 labourers will be required for the proposed project.
- Soil mining shall strictly be undertaken as per Bihar Minerals (Concession, Prevention of Illegal Mining, Transportation & Storage) Rules, 2019, M.C. Rules 1960, MMRD Act 1957& 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, proposed mining will be opencast semi-mechanized. Preferably manual mining using hand tools like shovel, spade, sieve etc.
- During the mining period, the deposit will be worked from the top surface up to a maximum depth 1.85 m.

3.5.3 WORKING DEPTH (BELOW GROUND LEVEL)

Mining will be carried out only up to maximum depth of 2.0 mbgl and above ground water level (whichever is less)

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 9 labourers will be required for the proposed project. The total water requirement will be 5.0 KLD. Drinking water requirement for not more than 9 workers would be about 1 KLD, which will be met by tanker or nearby sources. The water required for dust suppression on approach road and irrigation of plant 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.

No waste will be generated during mining. Only ash is generated during burning of dried bricks which is reused to cover the stacked dried bricks in the trench. It works as insulator and prevents

heat loss. Sometimes it is spread on the kanchha roads to maintain its level, then water is sprinkled on Ash to settle down. Hence, no waste disposal arrangements are required.

4. SITE ANALYSIS

4.1 CONNECTIVITY

Connectivity details are given in **Table-3**

Table 3: Connectivity details from Proposed project site

Nearest Railway Station	Patna Saheb Railway Station is 4.73 km towards NW direction.
Nearest Airport	Jay Prakash Narayan Airport Patna about 17.92 km in WNW direction.
Nearest Highway	Fatuha Marg about 0.52 km towards East direction. NH-31 about 0.73 km towards WSW direction.

4.2 LAND FORM, LAND USE AND LAND OWNERSHIP

4.2.1 LAND FORM

The leased mine area is Non Forest land.

4.2.2 LAND USE

The existing land use pattern of the area is Barren land.

4.2.3 LAND OWNERSHIP

Thana No.	Khata no.	Khasra no.	Area (Ha.)
44	215	472	2.29

4.3 TOPOGRAPHY

Patna, is located on the southern bank of river Ganges. It is surrounded on all three sides by rivers – the Ganga, Sone and Punpun. The river Ganga, flows north of the city of Patna. It is the largest riverine city in the world. Topographically Patna can be divided into two parts, an 8 km narrow stretch of high land along the Southern banks of river Ganga and the other part consisting of plains with fertile alluvial soil. The two main rivers of Patna are River Ganga and River Son. River Ganga runs separates Patna from Saran, Tirhut and Darbhanga district along the northern part. River Ganga enters the district with the confluence of River Son.

Patna was purged of all hilly regions. It is an alluvial, flat expanse of land. The land in the district is too fertile and is almost entirely cultivated with no forest cover. Alluvial soil found here is ideal for cultivation of rice, sugarcane and other foodgrains.

4.3.1 GEOMORPHOLOGY

The Bihar state can be broadly subdivided into three major units i.e., main physical subdivisions are 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 sub basin 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.

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

Present land use pattern is Barren land.

4.5 EXISTING INFRASTRUCTURE

The nearest road is Fatuha Marg about 0.52 km towards East direction and NH-31 about 0.73 km towards WSW direction. Nearest Railway Station is Patna Saheb Railway Station is 4.73 km towards NW direction.

4.6 SOIL CLASSIFICATION

Soils are predominantly sandy loam with clay loam at places with low to medium nutrient status. It is generally alkaline with pH value ranging from 6.3 to 8.2. Traditionally soils in an area are classified on the basis of mode of deposition. Soils are divided into three groups viz. (i) Recent alluvium (ii) Tai and (iii) Older alluvium. The soils of the district have developed on

alluvial deposits transported from relatively younger geological formations where physical weathering is predominant and the soils developed in them are generally coarser in texture

4.7 RAINFALL & CLIMATE DATA FROM SECONDARY SOURCES

The climate of the district is somewhat extreme in nature, i.e., quite hot during the summer and fairly cold during the winter. January is the coldest month. The temperature starts rising from March and reaches its peak in May. Rain starts sometime in mid-June and lasts till mid-September.

Maximum rains occur during the monsoon months of July and August. Sometimes winter rains occur in Jan-February. The normal annual rainfall in the district is around 1076 mm.

5. PLANNING BRIEF

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

Proposed method of mining is Open cast semi – mechanized method.

5.2 LAND USE PLANNING

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 field or used besides, the plant where plantation is to be done.

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

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.

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 unworked 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 10 saplings on the boundary/ berm or nearby public location every year and shall keep maintain of plant till appropriate growth.

6.4 SOCIAL INFRASTRUCTURE

The 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.

6.5 CONNECTIVITY

The mine site is adjacent to the approach road in East direction, which connects to Fatuha Marg about 0.52 km towards East direction and NH-31 about 0.73 km towards WSW direction. Nearest Railway Station is Patna Saheb Railway Station is 4.73 km towards NW direction, Jay Prakash Narayan Airport Patna about 17.92 km in WNW direction.

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	3
3.	Plantation	1
Total		5

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 12 Lakhs.

EMP Budget

S. No.	Description	Capital Cost Rs. in Lakh (Rs.)	Recurring Cost Rs. in Lakh (Rs.)
1	Dust suppression (Water tanker, sprinkler)	0.25	0.25
2.	Pollution Monitoring • Air • Water • Soil • Noise	0.25	0.25
3.	Plantation	2.00	1.00
4.	Construction and maintenance of haul road	0.50	0.25
Total		3.00	1.75

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 economic 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

Proposed Brick Earth Mining Project (Area 2.29 Ha.)**By M/s. Radha Bricks****ENVIRONMENTAL MANAGEMENT PLAN**

				Azadirachta indica (Neem), Terminalia arjuna (Arjun) and Syzygium cumini (Jamun) may also be recommended, Mangifera indica (Aam), Acacia nilotica (Babul).	
	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 max 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. • Suitable noise barriers will be provided.	Project Proponent

M/s Ecomen Mining Pvt. Ltd.

	Impact on Ground Water	Temporary	Moderate	• Mining will be restricted up to a max depth of 1.5 m. • Mining will have no impact on water table. • Drinking water (1 KLD) for hired labours (not more than 20) will be brought from tanker and nearby sources. • 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)	Project Proponent

				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.	
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 productivity in adjoining farms	Temporary	low	• Only fugitive dust emissions may occur due to transportation activity which will be minimized by using: 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	Project Proponent

				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, 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: - Tarpaulin cover over tractor trolleys/ carts - PUC certified tractors will be employed - Dust suppression measures like spraying/sprinkling of water to keep the surface wet - Provision of the dust barriers along haulage route - 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 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	Project Proponent

				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

जिला खनन कार्यालय, पटना

पत्रांक 3566 / एम०, दिनांक 10/12/24

सेवा में,

M/s Radha Bricks
Prop- Shri Sandeep Kumar
S/o Sudhir Kumar Sinha
Mohalla- Nuruddinganj, P.O.- Madha Mills,
P.S.- Malsalami, Distt. - Patna (Bihar)- 800008

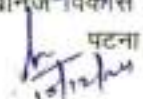
विषय:- खनन योजना (Mining Plan) अनुमोदन के संबंध में।

महोदय,

उपर्युक्त विषय के आलोक में कहना है कि पटना जिलान्तर्गत पटना सदर प्रखंड के मौजा- सबलपुर, थाना संख्या- 44 खाता नं०- 215 एवं प्लॉट सं०- 472 रकबा 2.29 हेक्टेयर में लघु खनिज ईट मिट्टी के खनन हेतु प्रस्तुत खनन योजना का अनुमोदन राशिव, खान एवं भूतत्व विभाग, बिहार, पटना के ज्ञापक-04/वी०नू०-20-190/24-3678/एम, पटना दिनांक-03.09.2024 के आलोक में निम्न शर्तों के साथ अनुमोदन किया जा रहा है।

1. खनन योजना का अनुमोदन 7,626 घन मी० प्रति वर्ष में साधारण मिट्टी के उत्पादन हेतु अनुमान्य किया गया है।
2. साधारण मिट्टी खनन की गहराई सतह से 2.0 मीटर से अधिक नहीं होगा।
3. खनन कार्य ग्राउण्ड वाटर लेवल से कम से कम 02 मीटर उपर तक ही सीमित रखा जाएगा।
4. प्रस्तावित उत्खनन की गहराई के कम से कम आधे के बराबर चौड़ाई रखने वाले सटे मैदानों की सीमा से पटरी छोड़ दी जाएगी।
5. ईट निर्माण, पथ निर्माण, तटबंध निर्माण आदि के प्रायोजनार्थ ईट मिट्टी और साधारण मिट्टी के खनन/ उत्खनन से संबंधित किया-कलाप में विस्फोटक का प्रयोग नहीं होगा।
6. खनन/ उत्खनन संबंधी किया-कलाप कार्य क्षेत्र के सामान्य जल निकासी के प्रतिरूप (पैटर्न) को परिवर्तित नहीं करेगा।
7. खोदे गए/ उत्खनित गड्ढा (पिट) को परियोजना प्रस्तावक द्वारा उपयोगी प्रयोजन (प्रयोजनों) के लिए पुनः स्थापित किया जाएगा।
8. खोदे गए/ उत्खनित गड्ढा के चारों ओर समुचित घेराबंदी कर दी जाएगी, ताकि किसी दुर्घटना से बचा जा सके।
9. बुलाई के दौरान खोदी गई/ उत्खनित मिट्टी के फैलने से धूल उत्सर्जन को रोकने के लिए उपाय किए जाएंगे।

10. मिट्टी के खनन/ उत्खनन के कारण सृजित जल निकासों में रोग वाहकों (बैक्टीर) के प्रजनन के कारण स्वास्थ्य खतरों के विरुद्ध सुरक्षा मानक अपनाये जाएंगे।
11. कामगारों/ मजदूरों को पेयजल और सफाई संबंधी सुविधाएँ प्रदान की जाएँगी।
12. किसी उत्खनन क्षेत्र की परिधि से किसी आर्सेनिक संरचना की दूरी कम से कम 15 मीटर रखी जाएगी।
13. राष्ट्रीय पार्कों और वन्य प्राणी अभ्यारण्य की सीमा के 1 किलोमीटर के अन्दर उत्खनन के क्षेत्र के मामले में ईट मिट्टी अथवा साधारण मिट्टी के खनन/ उत्खनन की अनुमति नहीं दी जाएगी।
14. खनन योजना में खनन कार्य बेंच बना कर किया जाएगा जिसकी अधिकतम ऊँचाई 1.5 मी० एवं चौड़ाई कम से कम 3.0 मीटर होनी चाहिए।
15. खनन कार्य के दौरान निकाले गये टॉप स्लायल को व्यवस्थित रूप से एकत्रित कर रखा जाएगा, जिसे खनन कार्य समाप्त होने के उपरान्त उसी क्षेत्र में फैला दिया जाएगा।
16. खनन योजना में वर्णित भूमि के स्वामित्व तथा भूस्वामियों की सहमती से संबंधित अभिलेखों की पूर्ण कसा लिया जाना अपेक्षित होगा।
17. खनन कार्य मानसून के समय में नहीं की जाएगी।
18. भविष्य में किसी प्रकार की कोई भी गलती खनन योजना अथवा कार्य में पायी जाएगी तो खनन योजना स्वतः निरस्त माना जाएगा।


 खनिज विकास पदाधिकारी
 पटना।


Mining Plan & Mine Closure Plan

For BRICK EARTH MINING

[Prepared Under Rule 17 of Bihar Minerals (Concession, Prevention of Illegal Mining, Transportation & Storage) Rules, 2019]

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

M/S RADHA BRICKS

Prop: Shri Sandeep Kumar

Mauza- Sabalpur, Block- Patna Sadar,

Distt- Patna (Bihar)-800008

Proposed Mining Area: 2.29 Ha. (5.66 acres)

Plan period: 5 Years



Prepared By



APPROVED
Vide Asstt. Director
Distt. Mining Office
Govt. of Bihar, Patna
Letter No. 356-6 dt: 10/12/24

M/S PRANEJA ENVIROCARE & MANAGEMENT PVT. LTD.

Ground Floor, Opp. Vamika Apartment, Near Old Passport Office, Ashiyana,
Khajpura, Patna-800014 (Bihar)

Ph. 0612-2581824, 9708251824 Email: - pemanagementindia@gmail.com

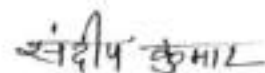
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प्रशिक्षक
मान निर्देशक
पत्रा कार्यालय, पटना

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आसिफ खां
लिपिक
मिना खान कार्यालय, पटना

[Signature]
खमिस 27
विश्व खान कार्यालय
पटना

CERTIFICATE

I Sandeep Kumar, the lease/land holder of Sabalpur Soil Mining Lease for Soil (Mineral) over **2.29 Hectares**, in Sabalpur village under Patna Sadar Block / Circle Patna 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.



Sandeep Kumar
(Signature of the Lessee)
For M/s. Radha Bricks

Date:
Place: Patna

AUTHORISATION LETTER BY THE APPLICANT

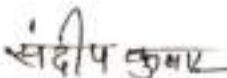
I, **Sandeep Kumar**, Proprietor of M/s. **Radha Bricks** hereby do authorize M/s. **Praneja Envirocare & Management Pvt. Ltd**, RQP to prepare the Mining Plan submitted under the notification of Ministry of Environment, Forest and Climate Change & Rule No 17 of Bihar Minerals (Concession, Prevention of Illegal Mining, Transportation & storage) Rules 2019 in respect of **Khata No: 215 Khasra No: 472 at Mauja- Sabalpur, Anchal- Patna Sadar, District: Patna, Bihar – 800008**

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 & RQP),**
Memo No. – (Sl. No.- 18/ M. No.- 3825 DT. 07.11.2019)
Dept. of Mines & Geology, Govt. of Bihar).
Mob-748509640, Email-shankar.ravi677@gmail.com
2. **Praveen Kumar Roy (Mining Engineer)**
Mob: 9708251824, pemanagementindia@gmail.com

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


Sandeep Kumar
(M/s. Radha Bricks)

Date:
Place: Patna

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LIST OF ANNEXURES

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CHAPTER-1

1.0 Introduction

The State Government has made provisions in Rule no. 17 of Bihar Minerals (Concession, Prevention of Illegal Mining, Transportation & Storage) Rules, 2019 and amended till date that "Each Mineral Concession Holder/Government/ Corporation as the case may be shall have to submit a Mining Plan, to the Department/Mining Officer before commencing the mining operation". Further it is also made mandatory in Rule no. 34 (3) of the said Rules that before getting soil permit Environmental Clearance shall be obtained from competent authority as notified by MOEF & CC. In this regard the Secretary, Mines & Geology Department, Government of Bihar has issued a Letter ref no.- 04/Misc.HQ-20-190/24-3678/M, Patna, Dt. 03.09.24.

In the light of the mentioned above rules, notifications & orders the applicant **Shri Sandeep Kumar** proprietor of **M/s Radha Bricks** hereby submitting mining plan for excavation of Brick Earth over an area **2.29 Ha. (5.66 acres)** situated at **Mauza- Sabalpur, P.S. & Anchal: Patna Sadar, District- Patna (Bihar)- 800008** for its approval. The said area falls under the control of District Mining Office, Patna (Bihar) and administrative by Collector, Patna.

The project involves excavation of Brick Earth from the proposed area. This project operation will generate employment to the people.

CHAPTER-2

2.0 GENERAL

1(a)	Name of the applicant	Shri Sandeep Kumar		
	Address	S/o Sudhir Kumar Sinha Mohalla- Nuruddinganj, P.O.- Madha Mills, P.S.- Malsalami, Distt. - Patna (Bihar)- 800008 Mob:9386653654		
1 (b)	Status of Applicant	Individual/Proprietorship		
	Private individual (Yes/ No)	Yes		
	Cooperative, Private Company, Public Company, Public Sector undertaking, Joint Sector Undertaking	No		
	Others (Please specify)			
1 (c)	Mineral (s) which the applicant intends to mine	Brick Earth		
1 (d)	Proposed Area	Mauza- Sabalpur, Block- Patna Sadar, Patna		
		Mauza/ Thana No.	Khata No.	Khesra No.
		44	215	472
				Area (Ha.) 2.29
1 (e)	Period for which the mining lease permit is required for granted/proposed to be applied	5 years		
1 (f)	Name of the RQP preparing the mining plan	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 & RQP), Memo No. - (Sl. No.- 18/ M. No.- 3825 DT. 07.11.2019) Dept. of Mines & Geology, Govt. of Bihar). Mob-748509640, shankar_ravi677@gmail.com 2. Praveen Kumar Roy (Mining Engineer) Mob: 9708251824, pcmanagementindia@gmail.com		
	Address	Ground Floor, Opp. Vamika Apartment, Near Old Passport Office, Ashiyana, Khajpura, Patna-800014 (Bihar)		
	Phone/ Mob No.	+91- 9708251824, 9308014108		
	Email. Id	pcmanagementindia@gmail.com		
	Required certificate	Approved RQPs list attached		
1 (g)	Name of the prospecting agency & Address	Prospecting does not require.		

CHAPTER-3

3.0 LOCATION AND ACCESSIBILITY

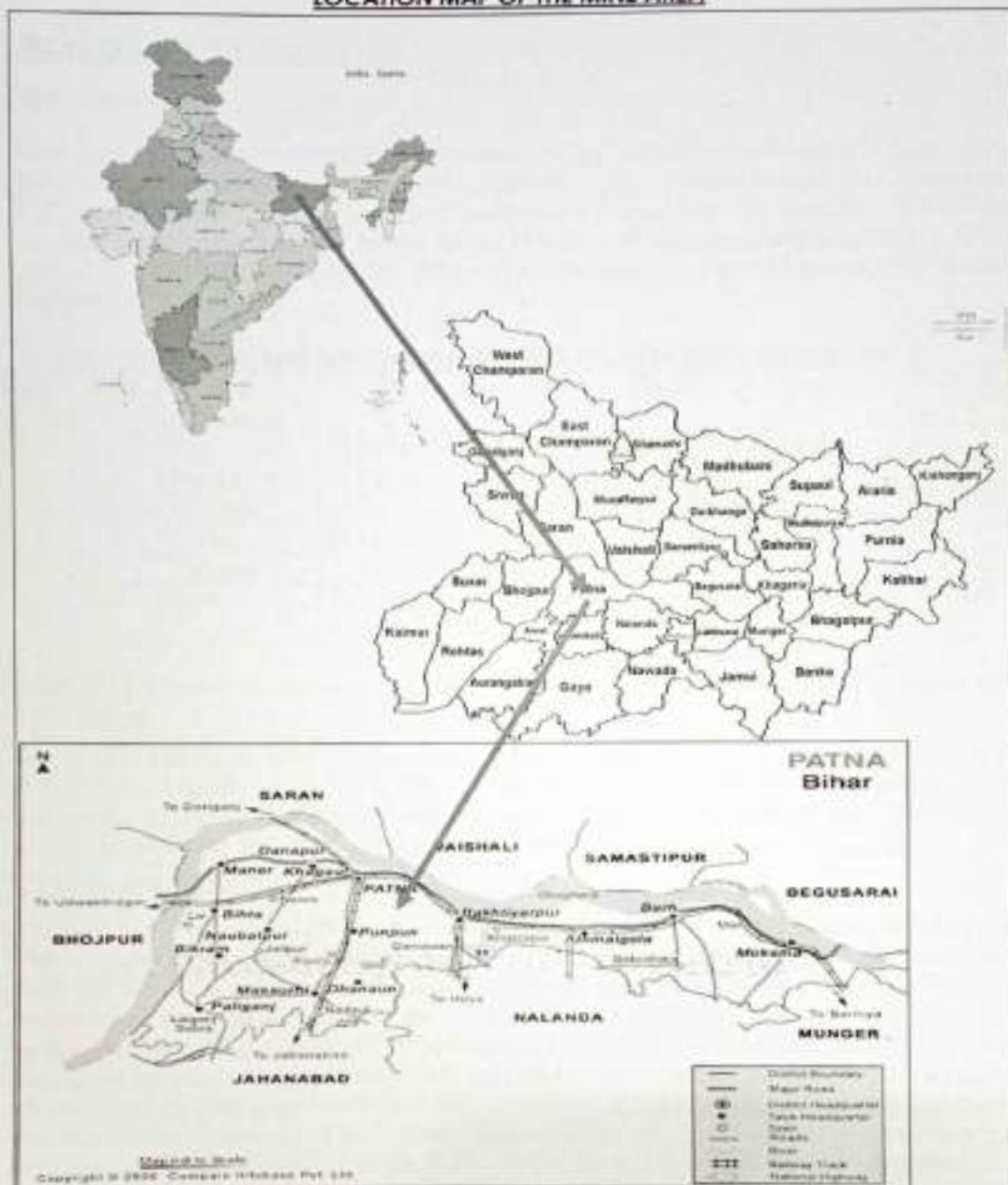
Location Map attached as Plate No.1

DETAIL OF AREA (WITH LOCATION MAP)							
3(A)	PARTICULARS			BRICK CLAY/ ORDINARY CLAY SITE/ LEASE AREA			
	Mauza			Sabalpur			
	Panchayat/P.O.			Sabalpur			
	Block			Patna Sadar			
	District			Patna			
	State			Bihar			
	Revenue Thana No.			Thana No. - 44			
	Khata No.			Khata No.- 215			
	Khesra No./Plot No./Block range/ Felling series etc.			Khashra No.- 472			
	Lease Area (Hectares)			Area- 2.29 Ha.			
	Whether the area is recorded to be in forest (please specify whether protected, reserved etc.)			No			
	Ownership/ Occupancy			Private (Proprietorship)			
	Existence of Public Road			No			
	Railway Line			No			
	Availability of Water, Electricity and other facilities.			Hand pump, Wells & bore Well are the main sources of water. Electricity is available etc.			
	Location of proposed Brick Erath Mining site	Khata No.	Plot No. / Khasra No.	Area in Ha.	Point	Latitude	Longitude
	Mauza- Sabalpur	215	472	2.29	A	25°33'24.08"N	85°15'56.55"E
					B	25°33'22.87"N	85°16'0.58"E
					C	25°33'21.21"N	85°16'0.53"E
					D	25°33'19.91"N	85°16'0.10"E
					E	25°33'18.27"N	85°15'59.33"E
					F	25°33'16.12"N	85°15'58.06"E
					G	25°33'16.99"N	85°15'56.55"E
					H	25°33'18.53"N	85°15'56.96"E
					I	25°33'19.02"N	85°15'55.19"E

Proposed area with 500 M radius distance is marked in Google image attached as key plate.

संदीप कुमार



LOCATION MAP OF THE MINE AREA

CHAPTER-4

GEOLOGY AND EXPLORATION**PHYSIOGRAPHY**

Patna district is situated in the South Bihar alluvial plains. The district is bounded in the north by river Ganga, in the south by Jehanabad and Nalanda districts, in the east by Lakhisarai district and in the west by Bhojpur district. The district is situated between North latitudes 25° 13' and 25° 45' and East longitudes 84° 43' and 86° 44' falling in Survey of India toposheet nos. 72C/11, C/12, C/14, C/15, C/16, G/2, G/3, G/6, G/7, G/11, G/14, G/15 and K/3. The total geographical area of the district is 3172 sq.km.

The district is divided into 6 subdivisions and 23 blocks which are as under:

S.No	Sub-divisions	Blocks
1	Patna Sadar	1) Patna Sadar, 2) Phulwarisharif, 3) Sampatchak
2	Patna City	1) Fatuha, 2) Khusrupur, 3) Daniyanvan
3	Danapur	1) Danapur, 2) Bihta, 3) Maner, 4) Naubatpur
4	Masaurhi	1) Masaurhi, 2) Dhanarua, 3) Punpun
5	Paliganj	1) Bikram, 2) Dulhinbazar, 3) Paliganj
6	Barh	1) Bakhtiarpur, 2) Athamalgola, 3) Belchi, 4) Pandarak, 5) Barh, 6) Mokama, 7) Ghoswari

Patna district have 6 subdivision, 23 blocks, 10 Circles, 23 police stations, 344 Panchayats and 1433 Villages.

As per 2011 Census the total population of the district is 5838465 out of which male population is 3078512 and female population is 2759923. The decadal growth rate (2011) of population over last decade is 25.54%. The population density of the district is 1823 person/ km². 3202 sq km constitutes rural area and 43.07 sq km is urban. Among the total population of 2514590.

GEOMORPHOLOGY

The State can be broadly subdivided into three major unit's i.e., 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 sub-basin ideally suited for intensive cultivation. The central highlands lying to the south of the Gangetic plains consist of mountains, hills and plateaus intersected by valleys and river plains. They are largely covered by forests. Jamui district is mostly characterized by third physical sub-division, i.e., central highlands with Gangetic alluvial plains in northern, north western, and north central parts of the district. A sizeable part of the plain in the northern side of the district lies in the Basin of Kiul River and its tributaries. Predominant soil types found in the sub-basin are sandy, loamy, clay and their combinations such as sandy loam, loam, silty clay loam and loamy sand soils.

The Jamui district has a diverse geomorphology ranging from hills to flood plains. The major geomorphic units are rocky upland, plateau / pedi-plain and alluvial plain. There are three major hilly tracts, namely, a) the hills of Batia-Jhajha area having strike in east-west direction lying in the northern fringe of Chakai plateau, b) the Gidheshwar hills in the western part of the district and c) the Kharagpur hills lying in north-eastern part of the district with an altitude of 475 m amsl in Barhat block. Hills of the district are considered to be the out-laying extension of Vindhyan ranges. These are moderately dissected structural hills or moderately dissected denudational hills.

Plateau representing oldest table land in the area is Chakai plateau. The pediment pediplain complex with rolling topography has relief up to 300-340 m amsl is the dominant geomorphic landform in the district. It extends from Batia to the south of Kharagpur hills and comprises residual soil overlain by mixture of sheet wash deposits. Alluvial plain is represented by Jamui

terrace in the northern parts of the district. Active flood plain are along the river courses and characterised by younger sediments. It is made up of sediments derived from the denudation of Chakai plateau and Kharagpur hill. The thickness of alluvium in the northern part is about 80 m, while in southern part it reduces to 10 m. Other landforms such as escarpment, in-selberg, valley fills are also present.

General slope in the area is from south east to North West towards Jamui terrace. However, intermittent sporadic uplands/hill ranges are found in the western part (Khairi Hill Ranges) and in the north eastern parts in the district as the south ward extension of Kharagpur hills. Relief map of the area has been prepared from SRTM data, the elevation varies from maximum of 340 mamsl to 60 mamsl.

GEOLOGY

(i) Regional Geology: Regionally, Bihar is broadly divided into four geological regions. A thin strip from Champarn in West to Kishanganj in East is constitute of the Shivalik part and formation of the great Himalayan Mountain. South to this strip there is 90% area constitute of the part of Gangetic plain. The Holy Ganga River flows midway from West to East into Bihar. Northern part of Ganga River is called North Gangetic plain. In this part number of tributaries rivers originate from Himalya and meet into Ganga. These rivers are perennial in nature and flow of water is fast, so bring flood every year. This river brings silt every year and deposit in the plain. This formation is divided mainly in two categories: Bangar and Khadar. Bangar is formed at higher places where flood water does not reach. Low land is formed of Khadar which is a new silt deposited every year. North Easter part is a lowland so water logging is common feature of the area constitutes a part of the Ganga River Basin.

South of Ganga River is called Sothern Gangetic plain. In this part series of rivers originate from Platue of Chotanagpur and Vindhyaachal and meet to Ganga at different places. These rivers are seasonal, so area is mostly drought prone.

A strip 10-20 KM runs along the southern part of Ganga. This strip remains flooded during rainy season but soil is very fertile. This strip is called Tal. South Western part of Bihar is formed in Vindhyan period and constitute of Limestone in dominant. Sothern part of Bihar adjacent to the Jharkhand is a transition belt between Gangetic plain and Platue region. In this part some minerals are found and in form of Granite, Mica, Tin, and Coal in small patches in Bhagalpur.

A general Regional stratigraphic sequence of the area is given below:

TABLE: GEOLOGICAL PERIODICAL CLASSIFICATION

AGE	GEOLOGY	GEOGRAPHY
Quaternary	Alluvial deposits (Sand, Silt, Clay fragments)	North and Central Bihar Plain
Tertiary	Sandstone and Clay stones	North Champaran hills
Gondwana	Coal measures, Forming a series of small outlier	Banka district
Vindhyan	Sandstones, Limestones, Shalesetc	Parts of Bhabhua and Rohtas districts
Satpura	Schist, Phyllite, Quartzite	Parts of Aurangabad, Gaya, Nawada, Nalanda, Munger and Sheikhpura districts.
Petrozoic	Mica, Schist, Amphibolites, Quartzite, Granite, Dolomite and Pegmetites	Nawada, Jamui and Banka districts

Archaen	Gneisses, Granites, Schists, Phyllites, Quartzites, Amphibolites and Intrusive all metamorphosed sedimentary and igneous rocks.	Parts of Aurangabad, Gaya, Nawada, Jamui, Banka and Bhagalpur
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(ii) Local Geology: Sporadic occurrence of dolerite, quartz pegmatites veins and quartzites are also found. The domain of Quaternary sediment is represented by Jamui Formation lie in the north central and western parts of the district. Thin deposits of alluvium are found along the course of rivers. The river sand exposed in the river beds of Kiul, Ganga and surrounding areas is the product of the deposition of the sediments brought and deposited in the flood plains of rivers, these alluvium deposits are of Quaternary age. A comprehensive local stratigraphic sequence of the district can be simplified in the following form for better understanding of the hydrogeology of the area:

Jamui Formation- Upper to Middle Plietocene Quatzite, Quartz schist Phyllite, Mica schist
Precambrian Intrusive of granite and pegmatite Chotonagpur gneisses and schist
Three lithonits are dominantly encountered in the district:

- Quaternary Group of sediments
- Kharagpur Group of rocks
- Chotanagpur Group of rocks

Quaternary Group of sediments are represented by Jamui Formation which constitute the oldest continental Quaternary deposits in the area and is commonly known as older alluvium. The district town Jamui and other important towns like Sikandra, Jhanjha and Aliganj is located on older alluvium deposits. The alluvial fills of this sedimentary sequence comprise alternation of medium to coarse sands, clay and gravels at the bottom of the sequence. The thickness of the formation varies between 30-80 m at places.

Kharagpur Group of rock is consisting of quartzite, phyllites, schist, quartz veins and laterite. The quartzites mainly constitute the dominant ridges. Phyllite and schist, often foliated are associated with quartzite in Kharagpur hills. Quartz veins are found to intrude along the joints of all the rock types. Laterites are found as cap rocks.

Chotanagpur group of rock consist of Chotanagpur gneisses, intrusive granite, and the pegmatites. The Chotanagpur gneisses is the dominant country rock covering the more surface area than any other types of rocks. These are complex but fairly weathered. The intrusive granite mostly forms positive /elevated topography in comparison to the gneissic basement rocks. Augen gneiss of K-feldspar phenocryst are common. Pegmatites are another frequent intrusive forming more or less subdued relief in Jamui district. The dimension of pegmatites are thin stringers to about 500 m long to 30 m wide.

The pre-Quaternary rocks in the area have undergone multiple phases of deformation complex patterns of diastrophic structures. Folds, joints, schistosity/gneissosity, lineaments etc. are common. Two sets of lineaments affecting the pre-quaternary rocks are important in the perspective of ground water exploration and occurrences in the area. The 1st set of lineaments are trending N_S and NW_SE. The 2nd set is trending E_W and ENE_WSW directions.

Sub-Surface Geology The subsurface geology of the area has been unearthed from the exploratory bore holes and tube wells data of CGWB. The lithology of the exploratory bore holes of CGWB in Jamui district has been compiled for preparation subsurface correlation diagram. A considerable area in the district being underlain by hard granitic/gneissic/ quartzite rocks, therefore, in terms of ground water prospects in the district the mapping of the depth of weathered sediments and the incidences of fractures in the bed rock definitely acquire significant roles. Keeping above in mind, the thickness of the alluvium and weathered sediments above the hard rock in the study area has been worked out from the exploratory bore hole data of CGWB and has been utilized in preparation

of depth of Hard Rock map of the district (fig17). In major parts of the district depth of hard rock lies within 5 to 35 m depth. However, in the western part around Aliganj, Sikandra and in Khaira block the thickness of alluvium is more.

SOIL

Soils are predominantly sandy loam with clay loam at places with low to medium nutrient status. It is generally alkaline with pH value ranging from 6.3 to 8.2. Traditionally soils in an area are classified on the basis of mode of deposition. Soils are divided into three groups viz. (i) Recent alluvium (ii) Tal and (iii) Older alluvium. The soils of the district have developed on alluvial deposits transported from relatively younger geological formations where physical weathering is predominant and the soils developed in them are generally coarser in texture

BASIN/SUB-BASIN AND DRAINAGE

The district falls in the Ganga Basin and is drained by the mighty Ganga in the north, by the Sone in the West, and by the Punpun, Phalgu and their tributaries in the central part of the terrain.

CLIMATE & RAIN FALL:

The climate of the district is somewhat extreme in nature, i.e., quite hot during the summer and fairly cold during the winter. January is the coldest month. The temperature starts rising from March and reaches its peak in May. Rain starts sometime in mid-June and lasts till mid-September. Maximum rains occur during the monsoon months of July and August. Sometimes winter rains occur in Jan-February. The normal annual rainfall in the district is around 1076 mm.

FOREST

In 2010, Patna had 8.19 kha of tree cover, extending over 2.6% of its land area., equivalent to 12.5 t of CO₂ emissions

VEGETATION:

There is no vegetation in the proposed area.

CHAPTER-5

RESERVES

a) Estimation of geological reserves along with grade under Proved, probable and possible categories by standard method of estimation supported by analytical reports.

5.1 METHOD OF ESTIMATION OF RESERVES

Brick Earth reserves have been estimated as per the standard procedures. The area of mining land and the average thickness of mineral (not more than 2 m including top 15 cm top soil. 10% area wise left for 1m 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	Maximum 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
Sabalpur	2.29	22900	2	2290	20610	3435	45800	38129
Total	2.29	22900	2	2290	20610	3435	45800	38129

5.3 GEOLOGICAL RESERVES

Particulars	Unit	
Total Area available for mining	22900	Sq.m
Average Thickness considered	2	M
Total Volume of Mineral (Brick Earth)	45800	Cum
Total Geological Reserves (Brick Earth)	45800	Cum

5.4 MINEABLE RESERVES

Particulars	Unit	
Total Area available for mining (As per document)	22900	Sq.m
Peripheral Strip Area (Area wise 10% of total area)	2290	Sq. m
Mineable area	20610	Sq. m
Thickness of top soil	0.15	M
Total top soil	3435	Cum
Average Thickness considered for mining	1.85	M
Total Mineable Reserves	38129	Cum
Maximum production per annum considering 5.0 years	7625.8	Cum
Annual production	7625.8	Cum
	In tones (volume x 1.53 ton/m ³)	Tons
	11667	



CHAPTER-6

6.0 ASSOCIATED CHIMNEY DETAILS AND YEARLY REQUIREMENT OF COAL

A. Brick Kiln Type & Location

Zigzag Kiln (Cleaner Technology) at

Village	:	Sukmarpur
P.O.	:	Jafrapur
Block	:	Raghopur
District	:	Vaishali
Location	:	24°48'11.26"N 86° 8'50.76"E

B. Chimney details (Zigzag Kiln)

Capacity of Chimney	:	15,000 / Day
Height of Chimney	:	140 ft.
Trench/Dug length	:	210 ft
Trench/Dug width	:	78 ft.
Height of Main Nali	:	10 ft.

C. Yearly requirement of Coal and Wood fuel

Requirement of Coal

Around 1.5 MT/day coal will be required for bricks production.

Requirement of Wood

Around 0.2 MT/Day of wooden fuel will be required in the Brick Kiln.

CHAPTER-7

7.0 MINING

7a) DEVELOPMENT AND PRODUCTION PROGRAMME

7a) 1 METHODOLOGY OF MINING / PROPOSED MINING METHOD

Proposed mining will be opencast semi-mechanized. Preferably manual mining using hand tools like shovel, spade, sieve etc. shall be promoted. Mining will be done only in the applied field (as per Land documents) keeping the nearby plot(s) unaffected. Following geo-scientific methods are proposed to carry out the mining activity:

- *Mining will be restricted to the applied fields up to a maximum depth of 2 m from the surface.*
- The mining shall be done during daytime only.
- Only 150 working days in a year have been assumed for calculation purpose.
- Before start mining the top fertile soil of each proposed mining field (up to 10-centimeter depth) shall be scraped & stacked on the berm or any earmarked place which will be spread over the mining pit, after completing mining activity. Thus the fertility of land will be restored or used beside the road where plantation is to be done.
- The width and height of final benches shall be 1m x 0.75 m.
- A ramp / connecting path shall be developed to join next level.
- There will be No drilling and blasting.
- The operation will remain manual, using tools like shovel, spade, sieve etc.
- The water required for casting for bricks will be arranged near the mining site and only casted bricks will be carried to kiln through cart/tractor or by hand loads. The water will be required either the drinking proposed or for casting of bricks.
- 20 laborers will be required for the proposed project.
- Soil mining shall strictly be undertaken as per Bihar Minerals (Concession, Prevention of Illegal Mining, Transportation & Storage) Rules, 2019, M.C. Rules 1960, MMRD Act 1957 & permissions obtained from District Administration / Mining Department.

YEAR WISE MINING & DEVELOPMENT

Open-Cast mining is being carried in the proposed plots. Approx 18 lakhs of bricks will produce from the quantity of earth every year. Year wise details are as below-

year	Total Geological area (in Sqm)	Total Minable area (in Sqm)	Minable Depth (in m)	Mineral reserve of Brick Earth (in cum)
1 st year	4580	4122	1.85	7625.8
2 nd year	4580	4122	1.85	7625.8
3 rd year	4580	4122	1.85	7625.8
4 th year	4580	4122	1.85	7625.8
5 th year	4580	4122	1.85	7625.8
Total	22900	20610	1.85	38129

7a) CONCEPTURE MINE PLAN

1.0 m wide strip all along each individual field (mine area) as a statutory condition has been left in which top soil will be stored temporary. Excavation of Brick Earth soil is

restricted up to a maximum depth of 2 m. River/stream will not be diverted in any case. No mining is proposed during rainy season.

7b) USE OF MINERAL: Describe the utilization of mineral and the type of industry (please specify) to whom it will be sold or is being sold.

The mined-out Brick Earth will be used for making kachcha bricks i.e. captive consumption which will be subjected to firing in the brick kiln.

BRICK CALCULATION:

The prevailing size of the bricks in Bihar is 10''x5''x3''.

Following parameters has been considered to calculate the number of bricks.

Brick Earth Used in preparation of 1 (one) Brick			
Specification of Bricks			Considering 0.0024 cum of one brick volume, about 400 bricks will be prepared from one cum Brick Earth.
Height	Width	Length	
3.0 (Inch)	5.00 (Inch)	10.00 (Inch)	0.0024

Machinery Requirement:

Machinery required for earth mining will be Back Hoe Loader and Tractor
Production of earth is 7625.8 cubic meter in 30 days i.e. 254 cum/day

- (1) Back Hoe loader -1 for cutting and loading soil in tractor trollies
- (2) Tractor-2 for transportation of soil to the kiln site.
- (3) 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	Back Hoe Loader	1
2	Tractor	2
3	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	Tractor Driver	3
4	General helper	4
TOTAL		9

Output Per Man Per Shift (OMS)

Total production in a day = 254 M³

Total Manpower = 9

Hence, Output per man/shift (OMS) = 254/9 = 28.22 or say 28 M³/Man/Shift



Diesel Consumption:

Sl. No	Machinery	Number of Machinery	Average Fuel Required/ Hour	Effective Production Hr./ Day	Total Fuel Consumption (Lt.)
1	Back Hoe Loader	1	4	6	24
2	Tractor	2	1.5	6	18
3	Water Tanker	1	1.5	4	6
Total					48

So, Diesel consumption factor = $48 \text{ Lt.} / 254 = 0.19 \text{ Lt.}$

Hence Total Diesel Requirement for Project = $0.19 \times 38129 = 7244.51 \text{ LT}$ says 7245 LT.

Daily Diesel requirement = 48 Lt.

Yearly Diesel requirement = $0.19 \times 7625.8 = 1448.90 \text{ LT}$ says 1449 LT.



CHAPTER-8

8.0 DRILLING AND BLASTING

No drilling and blasting is required in excavation of brick earth.



CHAPTER-9

BASIN/SUB-BASIN, DRAINAGE: -

The district falls in the Ganga Basin and is drained by the mighty Ganga in the north, by the Son in the West, and by the Punpun, Phalgu and their tributaries in the central part of the terrain.

CHAPTER-10

10.0 STACKING OF MINERAL REJECTS AND WASTE DISPOSAL ARRANGEMENTS

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 proposed fields. Upper 0.15 m thick layer of soil has been considered as top soil which will be kept on the berm safely.

The total generated top soil will be scraped out and shall be kept on unmined area and once mining will be done, scraped soil shall be spreader back on the mined-out area to restore the proposed fields or used beside the place where plantation is to be done.

No waste will be generated during mining. Only ash is generated during burning of dried bricks which is reused to cover the stacked dried bricks in the trench. It works as insulator and prevents heat loss. Sometimes it is spread on the kanchha roads to maintain its level, then water is sprinkled on Ash to settle down. Hence, no waste disposal arrangements are required in the Mining Plan.



CHAPTER-11 ENVIRONMENTAL MANAGEMENT PLAN

Anticipated Environmental Impacts, Mitigation Measures and Environmental Management Plan

The pollution potential of the proposed project, its 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.

11.1 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

11.2 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.
- ❖ Labors 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 brick clay 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.

11.3 LAND ENVIRONMENT

Anticipated impact

The major impact of 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 (0-6 inches/ 15 cm) will be scooped first and stored for further reclamation of mined area. Clay/soil 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.

11.4 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 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.

11.5 BIOLOGICAL ENVIRONMENT

11.5.1 Impact on ecological factors

The area where 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.

11.6 GREENBELT DEVELOPMENT

It is proposed to have plantation on unworked 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 10 saplings on the boundary/ berm or nearby public location every year and shall keep maintain of plant till appropriate growth.

TREES PROPOSED FOR AVENUE PLANTATION FOR GREEN BELT DEVELOPMENT

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	Azadirachta indica	Neem	Tolerant to SO ₂
3	Pithecolibium dulce	Jungle jalebi	Tolerant to SO ₂ and Dust control
4	Mangifera indica	Aam	Tolerant to Dust control
5	Tectona grandis	Sagon	Tolerant to Dust control
6	Ficus benghalensis	Bargad	Tolerant to Dust control
7	Scigium cumuni	Jamun	To stop soil erosion
8	Terminalia arjuna	Arjun	To stop soil erosion
9	Populus ciliate	Popular	Fast growing
10	Ficus religiosa	Peepal	Dust particles absorbance

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 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.

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 "Brick clay" mining project to initiate the impact during the mining operations.

1. 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.
2. No labour camps will be established on Mining site.
3. No cooking, or burning of wood will be allowed at the mine site.
4. 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.
5. No tree cutting, chopping, lumbering, uprooting of shrubs and herbs will be allowed.
6. 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.
7. Collection of brick clay samples at strategic locations once in every year and analysis thereof with regard to deleterious constituents, if any.
8. Measurement of water level fluctuations in the nearby ponds, dug wells and bore wells.
9. 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

RISK & HAZARDS MANAGEMENT

As it is brick clay 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.

LAND RECLAMTION PLAN



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

The mining activity is being carried out in proposed fields. Total generated top soil will be scraped out and shall be kept on unmined area and once mining will be done, scraped soil shall be spreader back on the mined-out area to restore the proposed fields or used beside the place where plantation is to be done.

STRATEGY FOR PROTECTION OF RIVER COURSES, 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

There is no river in or immediate surroundings of the activity area. 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. Brick Earth from proposed field will be mined out. Upper top fertile of proposed field will be kept safely. After removal of Brick 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.

CHAPTER-12

MINE CLOSURE PLAN**12.0 Introduction:**

(a) Name of Applicant:	Shri Sanddep Kumar S/o Sudhir Kumar Sinha Mohalla- Nuruddinganj, P.O.- Madha Mills, P.S.- Malsalami, Distt. - Patna (Bihar)- 800008 Mob:9386653654
(b) Status of Lessee:	Individual/Proprietorship
(c) Location:	Vill- Sabulpur, P.O.-Sabulpur, Block- Patna Sudar Bihar- 800008 Google location map attached
(d) Extent of Lease area:	2.29hectares
(e) Type of lease:	Non-Forest Land
(f) Present land use pattern:	Barren Land
(g) present Method of mining And mineral processing	Refer Chapter No.-07

12.1. Reasons for Closure:

The mineral Brick Earth will be excavated for use of making kachha bricks. 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.

12.2. 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 mine closure plan is required to be submitted in compliance of the aforesaid rule of MCDR 1988, the progressive mine closure plan is being in accordance with the guidelines issued by Chief Controller of Mines (CCOM) vide circular no. 14/2003.

12.3. Closure plan preparation:**a). Name and address of the Applicant:**

Shri Sanddep Kumar
S/o Sudhir Kumar Sinha
Mohalla- Nuruddinganj, P.O.- Madha Mills,
P.S.- Malsalami, Distt. - Patna (Bihar)- 800008

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

**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 & RQP),**
Memo No. - (Sl. No.- 18/ M. No.- 3825 DT. 07.11.2019)
Dept. of Mines & Geology, Govt. of Bihar).
Mob-748509640, Email- shankar.ravi677@gmail.com
- 2. Praveen Kumar Roy (Mining Engineer)**
Mob: 9708251824, pemanagementindia@gmail.com

Address:

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



c). Name of the executing agency:

M/S Radha Bricks

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

12.4	Description	Chapter
12.4.1	Geology and Exploration	Given At Chapter 4
12.4.2	Physiography	
12.4.3	Regional Geology	
12.4.4	Local Geology	
12.4.5	Exploration	
12.4.6	Estimation of Reserves	Given At Chapter 5
12.4.7	Brick Kiln Details	Given At Chapter 6
12.4.8	Proposed Mining Method	Given At Chapter 7

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

Not applicable.

12.6. CLOSURE PLAN:

12.6. 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.

Date:

Place: Patna

Praneja Envirocare & Management Pvt. Ltd.
HQPISA No. 3825/MA, Dt. 07/11/2019

Authorized Signatory/ RQP

Praneja Envirocare & Management Pvt. Ltd.

ANNEXURE

संदीप कुमार



RULES & NOTIFICATION

बिहार सरकार
खान एवं भूतत्व विभाग

अधिसूचना

दिनांक :-

04/वी0मु0-20-190/24-...../एम0, खान एवं भूतत्व विभाग की अधिसूचना संख्या-2645, दिनांक-14.09.2020 द्वारा बिहार खनिज (समानुदान, अवैध खनन, परिवहन एवं भण्डारण निवारण) नियमावली, 2019 के नियम-38 (3) में संशोधन करते हुए खनन की गहराई समीपवर्ती जमीन स्तर से षेड मीटर से अधिक नहीं होने की स्थिति में ईट भट्टा के उद्देश्य से ईट मिट्टी का उत्खनन को खनन गतिविधि नहीं मानने, पर्यावरणीय स्वीकृति के लिए पर्यावरणीय सहनता की आवश्यकता नहीं होने का प्रावधान शामिल किया गया था।

2. माननीय उच्च न्यायालय, पटना द्वारा CWJC No.-11181/2021 अमय कुमार बनाम बिहार राज्य एवं अन्य में दिनांक-07.03.2024 को आदेश पारित करते हुए अधिसूचना संख्या-2645, दिनांक-14.09.2020 को निरस्त कर दिया गया है। राज्य सरकार की ओर से दायर SLP No.-14272/2024 को माननीय उच्चतम न्यायालय द्वारा दिनांक-22.07.2024 के आदेश से अपील को खारिज कर दिया गया है।

3. माननीय उच्च न्यायालय, पटना द्वारा दिनांक-07.03.2024 को पारित न्यायादेश के अनुपालन में निम्नवत् निर्देश जारी किये जाते हैं :-

- खान एवं भूतत्व विभाग की अधिसूचना संख्या-3174, दिनांक-17.09.2019 से प्रख्यापित बिहार खनिज (समानुदान, अवैध खनन, परिवहन एवं भण्डारण निवारण) नियमावली, 2019 के नियम-38 (3) प्रभावी होगा।
- पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार की अद्यतन अधिसूचना/निर्देशों के अनुरूप आवश्यक पर्यावरण अनुमति प्राप्त कर ही ईट भट्टा के उद्देश्य से मिट्टी का उत्खनन किया जाएगा।

बिहार राज्यपाल के आदेश से,

ह0/-
(धर्मेन्द्र सिंह)
सचिव

ज्ञापक:-04/वी0मु0-20-190/24-...../एम0, पटना, दिनांक:-.....

प्रतिलिपि:- अपर सचिव (ई-गजट कोषांग), वित्त विभाग को सी0डी0 सहित प्रेषित करते हुए अनुरोध है कि राजपत्र में अधिसूचना का प्रकाशन किया जाए।

ह0/-
सचिव

ज्ञापक:-04/वी0मु0-20-190/24-3678/एम0, पटना, दिनांक:-02.09.24

प्रतिलिपि:- सभी समाहर्ता/ सभी खनिज विकास पदाधिकारी को सूचनाार्थ एवं आवश्यक कार्यार्थ प्रेषित।

सचिव 31/08/24

खदीप कुमार



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 'B'

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.

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रंजीत कुमार

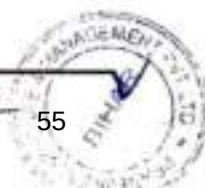


3. MoEF vide OM No.F.No.J-11013/12-2013-1A-II(I) dated 30.01.13 has constituted an Expert Committee, under the Chairmanship of Director, NEERI, Nagpur, to categorize Category 'B' projects / activities into Category "B1" and "B2" under EIA Notification, 2006 and review classification of projects / activities 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 '7.1 Stage(I)-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 of proposed excavation.



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

(xiii) The concerned SI/IAA while considering granting environmental clearance for such activity for brick earth / ordinary earth will prescribe the guidelines as stated in (i) to (xii) 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 : 24764667

To

1. All the Officers of IA Division
2. Chairpersons/Member Secretaries of all the SI/IAAs/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 AD (G & F)
4. PPS to AD (G & W)
5. PPS to JN (AT)
6. PPS to IG (FC)
7. Website, MoEF
8. Guard File

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संदीप कुमार



बिहार राज्यांतर्गत लघु खनिजों के खनन योजना तैयार करने हेतु एजेंसी 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 राज्यांतर्गत 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 खास एवं भूतत्व विभाग, पटना के अपर सचिव-सह-निर्देशक-सह-अध्यक्ष के कार्यालय कक्ष में अन्य सदस्यों के समक्ष की गई।

2. आमंत्रित Expression of Interest के तहत कुल 35 आवेदन विभाग को प्राप्त हुए, जिसमें से कड़िका-14 में उल्लेखित प्रतिष्ठान भूमि इन्चार्जरटेक प्रा० लि० को योग्यता संबंधी प्रमाण पत्र नहीं सलमन करने के कारण तथा कड़िका-34 में उल्लेखित मेसर्स संयुक्त इन्फ्रा को संबंधित योग्यता प्रमाण पत्र सलमन 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	Qualification	Rate for preparation of Mining Plan (per Ha)	Rate details	Address
1	Dr. Rishi Hand Singh	9430252322 8340280022	M.Sc. Geology	Rs. 10,000/- (including of Tax & GST)		Dr. R. N. Singh, Pk. 522, Sector 7, Block C, Flat 20, H.S. Flat, Bihar Jangam Housing Colony, Patna - 800010
2	Dr. Rishi Hand Singh	7903157778	M.Sc. Geology	Rate slab attached	Rs. 10,000/- each Ha Rs. 8,000/- for each subsector and rental Rs. above rates are inclusive of 18% GST	122 C, Apple, Road No. 54, Panchsahi Colony, Patna - 800013
3	Dr. Anand Kumar Singh	9432508228	Ph.D. Geology	Rs. 20,000/- GST will be charged as per Government rates		5/6-1/2/3 Singh, C/O Sri Gupta, 1 Khatun Singh, A. & P. Chandra, District Jharkhand, Bihar - 842415
4	Rajesh Kumar	8008402647	B.E. (Mining Engineer)	Rate slab attached	Maximum till 25,000/- per mining plan upto 1 hectare. For more than 1 hectare the rate shall be increase @Rs. 10,000/- per hectare.	Plot No. 87, Rajendra Sardar, 1st Floor, 1st Floor, Near Mukta Hotel, Panchsahi, Patna, Bihar
5	Dr. Anand Kumar	7870577271	Ph.D. in Geology	Rs. 8,000/- (inclusive of taxes)		B-72, P.C. Colony, Kankarbagh, Patna - 800028
6	Puneet Lal Mishra	9911537948 8700005622	M.Sc. (Geology)	Rs. 11,800/-	Rate per hectare @ 10,000/- + GST @ 18% (Rs. 11800) = Rs. 11,800/-	House No. 171, Rajendra Bhawan, Kankarbagh, Bihar, Patna, Bihar 800028
7	Sanjay Kumar	943106888	M.Sc. (Geology)	Rs. 25,000/-	Negotiable	Vastu-Santa Colony, Jankapur, Near St Karam's School, Gola Road, Goranapur, Patna
8	Dr. Anand Kumar	7906978530	B.E. (Mining)	Rs. 10,000/-		Dr. Anand Kumar, Pk. 522, A-152, Kankarbagh Nagar, Kankarbagh, Road No. 9, Patna, Bihar

संदीप कुमार

9	Dr. Ashutosh Sharma	9753385699	M.Sc. Geology	As per approved rate of Govt. of Bihar		Hardi Villa Naya Tola Line Bazar, Patna, Bihar-854301									
10	M.R. Sadique Alam	7091510988	M.Tech (Environmental Science & Engineering)	As per approved rate of Govt. of Bihar		Flat No-01 Ground Floor, Naya Villa, Naya Tola Near Shiv Munda, Line Bazar Patna-854301									
11	Dr. Rakesh Kumar Singh	8085379660	M.Sc. (Coal Geology) M.Sc. (Mining)	As per approved rate of Govt. of Bihar		Village- Chhapra, P.O. - Belawa (Patna) District - Saran, Jh.P.S. 271206									
12	Shubesh Kumar Singh	9431496036	M.Sc. (Applied Geology) M.Sc. Tech (Mineral Processing)	Rs. 25,000/-		B-8, Prashant Kankaria Apartment, Sector-3, Sakinaka Road, P.O. Rajendra Nagar, District- Patna, Bihar-800016									
13	Amolam Lab Pvt. Ltd.	9872404024	B.E. Computer Science & Engineering	Rs. 31,800/-	Rate per Hectare (Rs. 27,000/- + GST (18% @ Rs. 4980) =Rs. 31,800/-)	M. Nigam Singh Naga Nagpur-480033									
14	Shoemi Enkatesh Pvt. Ltd.	8555773278	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 on part thereof (Example - rate of 2.50 Ha shall be considered as 2.0 Ha)	C/O Verna Gupta W/F Upendra Gupta, Shop No. 191, Plot No. 5/19, Golbazar, Newaadih Road, Near Kailash, Aurangabad Bihar-874107									
15	Seem Geomine Consultancy Pvt. Ltd.	8235818865	M.Sc. Geology	Rs. 15,000/- (Inclusive of all GST & Taxes)		Sub-Maria Road, Opposite Pigeon Post, Sector-3, Patna, District, Bihar-854002 (Bihar)									
16	Nutan S. Shrivastava	9868880983	M.Sc. Tech (Applied Geology)	Rs. 10,620/-	Rate per Hectare (Rs. 9,000/- + GST @ 18% @ Rs. 1620) =Rs. 10,620/-	Mahesh Sadan, Opposite Kany Valley, South Bihar Colony, Naya Tola, Patna-800016									
17	Ecozon India Pvt. Ltd.	7678920339	Required Qualification of the employees attached	Rate as per the slab provided	<table><thead><tr><th></th><th>Per Ha. Rate (upto 5 Ha)</th><th>Per Ha. Rate (more than 5 Ha)</th></tr></thead><tbody><tr><td>Rate upto 5 Ha</td><td>Rs. 10,000/-</td><td>Rs. 10,000/-</td></tr><tr><td>Rate more than 5 Ha</td><td>N/A</td><td>Rs. 9,000/-</td></tr></tbody></table> * Rate is inclusive of GST and other applicable taxes		Per Ha. Rate (upto 5 Ha)	Per Ha. Rate (more than 5 Ha)	Rate upto 5 Ha	Rs. 10,000/-	Rs. 10,000/-	Rate more than 5 Ha	N/A	Rs. 9,000/-	C/O Kapilendra Pathak, Shikharapuri Road - 2, Ruanpur, Baling Road Patna-800014
	Per Ha. Rate (upto 5 Ha)	Per Ha. Rate (more than 5 Ha)													
Rate upto 5 Ha	Rs. 10,000/-	Rs. 10,000/-													
Rate more than 5 Ha	N/A	Rs. 9,000/-													
18	Ram Shankar	7482090640	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- Nagan, P.O. - Deolma, P.S. - Gola, Dist. - Aurangabad (Bihar) - 824114									
19	Indus Mining & Environment Consultancy	7547949027	B.E. (Mining)	Rs. 2,000/- per Hectare (Each Block Mining Plan - Rs. 30,000/-)		Indus Mining And Environment Consultancy, 201, 2nd Floor, Mangal Market, Raja Bazar, Bally Road, Patna-800014									

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23	Pravin Kumar Sarda	7542940227	M.E (Mining)	Rs. 2,000/- per Week (Each Week Mining Plan - Rs. 20,000/-)	202, 2nd Floor, Mangal Market, Rajg. Bazar, Bailey Road, Patna-84
24	Md. Tawheed Wahid Greenway Mining & Exploration Pvt. Ltd.	91348077137	M.Sc. (Geology)	Rs. 5,000/- (Excluding GST)	Greenway Mining & Exploration Pvt. Ltd., 202 Mangal Market, Rajg. Bazar, Bailey Road Patna-800014
25	Prabhat Kumar Prasad	88274771206	B. (Mining)	Rs. 8,000/-	Flat No-102, Road No-03, South Nagar, Chiranjeev Park, Patna-800003
26	Ashok Kumar Singh	8776667666	Mining Engineer	Rs. 8,000/-	C/o Shri Ravi Prasad Singh, Mithala - Mangal Kawan, P.O. - Sahasrati, P.S. - Sahasrati, Dist. Nalanda, Bihar - 800118
27	Sandeep Kumar	81362571209	M.Sc. (Applied Geology)	Rs. 10,000/-	Arjun Singh, C/O Ravi Kumar, Sundar Nagar, Lohia Park, Jagan Park, Patna-800014 (Bihar)
28	United Exploration India Pvt. Ltd.	9431205782 9994304240	Required Qualification of the employees attached	Rs. 5,200/- (inclusive of Taxes)	202, 2nd Floor, Juhel Rajendra Singh Complex, Anand Nagar, Patna-800002
29	Ravi Kumar Pvt. Ltd.	9431205782	Required Qualification of the employees attached	Rs. 5,200/- (inclusive of Taxes)	202, 2nd Floor, Mangal Market, Rajg. Bazar, Shreebhumi Patna-800014
30	Prakash Kumar Pvt. Ltd.	9094207900	Required Qualification of the employees attached	Rs. 4,750/- (inclusive of Taxes)	401, 4th Floor, Mangal Market, Rajg. Bazar, Shreebhumi Patna-800014
31	M/s. Baghel Environment & Waste Management Pvt. Ltd.	9431042521	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, Guna Sahay Lal Nagar, Road No. 2, Mahatma Colony, Ashiyana Nagar, Patna - 800025, Bihar
32	Seema Lal Singh	9994457711	Qualifications of candidates are attached	Rs. 7,000/-	27, Guna Sahay Lal Nagar, Mahatma Colony, Ashiyana Nagar, Patna - 800025, Bihar
33	Prakash Kumar & Management Pvt. Ltd.	9094251834	Qualifications of candidates are attached	Rs. 10,000/- (Excluding GST @18%)	202, Shreebhumi Nagar, Apartment, Road No. - 10, Anand Nagar Colony, Patna-800014 (Bihar) - 800014
34	Prakash Kumar & Management Pvt. Ltd.	7004620817	Details of Qualification Attached	Rs. 10,000/- (Excluding GST)	Rate will be negotiable as per decision from Department of Mines & Geology, Govt. of Bihar
35	Env Developmental Resources Systems (India) Pvt. Ltd.	9224007479 9325513139	Details of Qualification Attached	Rs. 2,750/- (inclusive of Taxes)	Prabhu Mishra, Road No. - 13, Patel Nagar, Near Petrol Pump, Patna-800021

सदीप कुमार



23	Indrakshi Pvt. Ltd.	94110403119	Bachelor of Engineering (Mining)	Rate for each Diploma enclosed	Signature A	H.No-21, First floor, 45 Colony, S.R. Nagar, Patna-800001
24	RAT Sanyasi Infra	7296069818	Bachelor of Architecture	Rs. 8,500/-		South of Mahabubnour Housing complex, Mahuli Pk-2, Kankarbagh-800020
25	Sanku Planners Pvt. Ltd.	9055877728	Details of qualification attached	Rs. 12,000/-		C/O Mr. Anil Kumar plot No. L-171, Road No. 29 Near Multi Mieron, Sri Krishna Nagar, Patna-800001
26	Oshrey's Inter-Tech Consultants	9460221084	Details of qualification attached	Rs. 11,000/-		501, 5th Floor, Agre Town, Tola Road, Jalandar-161005. Tel: 0141-2741509

3. प्राप्त सभी EOI की समीक्षा के उपरान्त विभागीय समिति द्वारा सर्वसम्मति से खनन योजना हेतु देय राशि प्रति खनन योजना अधिकतम ₹30,000/- (तीस हजार) रु GST सहित (ग्राहक भाडुनिंग प्लान किटने भी हेरटेयर का हो) का भुगतान की अनुशंसा की गई।

4. समिति द्वारा उक्त न्यूनतम दर को स्वीकृत करते हुए उक्त न्यूनतम दर पर अनिच्छा की अभिव्यक्ति आमंत्रण में शामिल तैरो 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 राइंग/दस्तावेज प्रस्तुत करते है तो उन्हें भी भविष्य में उक्त दर पर लघु खनिजों के खनन योजना तैयार करने हेतु RQP के रूप में empanelled करने की अनुशंसा की जाती है।

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

हो/-
सहायक निदेशक,
सदर

हो/-
सोनिओ (पु०),
सदर

हो/-
अवर सचिव,
सदर

हो/-
उप निदेशक,
पटना अंचल, पटना
सदर

हो/-
उप निदेशक (पु०),
सदर

हो/-
अवर सचिव-सह-
निदेशक,
अध्यक्ष

हो/-
सरकार के अवर सचिव

ज्ञापाक:-...../ एम०, दिनांक:-.....

प्रतिलिपि - सभी सहायता को सूचनार्थ एवं आवश्यक कार्यवाई हेतु प्रेषित।

हो/-
सरकार के अवर सचिव

ज्ञापाक:-...../ एम०, दिनांक:-.....

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

हो/-
सरकार के अवर सचिव

संदीप कुमार

P.T.O.

आपांक- 3825 / एम. दिनांक- 07/11/19

प्रतिलिपि- माननीय मंत्री के आप्त सचिव/प्रधान सचिव के प्रधान आप्त सचिव/निदेशक
कोषाग/उप निदेशक (मु०)/सहायक निदेशक (मु०)/खनिज विकास
पदाधिकारी (मु०) को सूचनाार्थ एम आवश्यक कार्रवाई हेतु प्रेषित।

सिद्ध

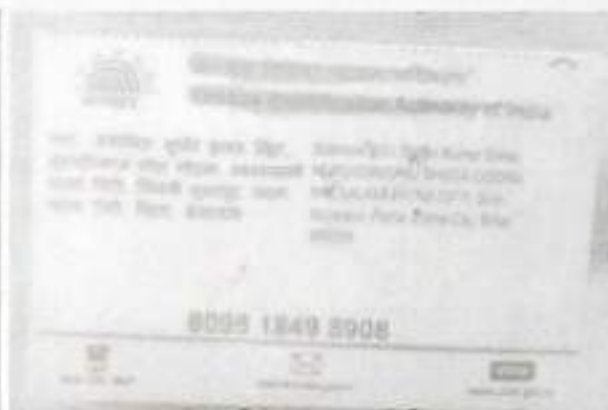
7/11/19

सरकार के अपर सचिव

संदीप कुमार

✓

ID PROOF OF THE APPLICANT



खदीप कुमार



LAND DEED/AGREEMENT & REVENUE RECEIPT

संदीप कुमार



भारतीय गैर न्यायिक INDIA NON JUDICIAL

एक हजार रुपये

ONE THOUSAND RUPEES

रु.1000

Rs.1000

BIHAR

नांकर 11/15/15/15/15 रु. 1000

381/47

केता का नाम व पता

संदिप कुमार निवासी साठ गुरुकुल
पटना बिहार



LEASE DEED

(1) लेख्यकारी का नाम व पूरा पता :

श्री हर्ष कृष्ण रहोतगी, पिता का नाम- स्वर्गीय

चन्द्र कृष्ण रहोतगी, निवास स्थान महल्ला-

Maudestan Extn, 3rd Floor, 2/2A D

Monte Park Road Bandra West Mumbai,

राज्य- मुम्बई, भारतीय नागरिक है ।

आधार नं०- 5648 2751 4930

सही हुई कृष्ण रहोतगी लिज फ्लैलिखा से सही है।
का राज पद का समस्तिका सब ठीक है 50-50000/-
पैसा लख एक हजार मात्र इममाईला ठीक पद

H. K. K. K.

17.10.24

संदिप कुमार



- 2 श्रीमती रेशमी रहोतगी पति का नाम- श्री प्रवीण कुमार रहोतगी, निवास स्थान महल्ला- डी-98, सेक्टर-30 नोयडा मालम बुड नगर राज्य- उत्तर प्रदेश, भारतीय नागरिक हैं।
आधार नं- 3926 1760 3118
दोनों का रथाई पता- प्रवलपुरा कोठी, जय कुम्भ रोड, थाना- चौक पत्रालय- वंगमपुर, पिनकोड- 800009, जिला- पटना हैं।

प्रथम पक्ष जमीन मालिक

- 3 श्री संदीप कुमार, पिता का नाम- श्री सुधीर कुमार सिन्हा, निवास स्थान महल्ला- नुरुउद्दिनगंज, सोरा गोदाम, थाना- मालसलामी, पत्रालय- पटना सिटी, जिला- पटना, भारतीय नागरिक हैं।

द्वितीय पक्ष किरायेदार

- (2) लेख्यधारी का नाम व पूरा पता :
परस्पर (आपस में प्रथम पक्ष एवं द्वितीय पक्ष के बीच)
- (3) लेख्य प्रकार - लिज-पत्र 05 (पांच) वर्ष सन्- 2025-30 ई0 तक के लिये।

- (4) सालाना किराया-
जिसका सालाना किराया अर्केन 5,01,000/- (पांच लाख एक हजार) रुपये मात्र। वो हर एक वर्ष पर 5% कि बढ़ोतरी होगी। जो द्वितीय पक्ष समय से प्रत्येक वर्ष 30 अप्रैल को सालाना किराया प्रथम पक्ष को दे देंगे।

- (5) सम्पत्ति का सम्पूर्ण विवरण :
क्षेत्रफल- 05 एकड़, अर्थात- 66 डिसमिल, एराजी हकियत जमीन परती, सम्पत्ति अवस्थित मौजा- सबलपुर, थाना- नदी, जिला- पटना, सब रजिस्ट्री पटना सिटी वो सदर रजिस्ट्री बांकीपुर पटना। जिसका थाना नं0- 44, तौजी-बिहार सरकार, खाता नं0- 215, खेसरा नं0- 472, व जमींदारी बिहार सरकार, सर्किल ऑफिस पटना सदर, जिला-

Heekem Rangi

17.10.2024

नमः- रेखाजी रहोतगी लिज पत्र लिखा रहे करी है।
काजल पट्टकर श्रीमान् विद्या स्टा डिंक है 510-5,01,000/-
पांच लाख एक हजार रुपया मात्र दुजमा/पत्र वसुल पाजा/-

नं:- 17/10/2024

Rashmi Kalagi

संदीप कुमार

3

पटना। यह एराजी पटना विकास प्राधिकार क्षेत्र के बाहर है।
सम्पत्ति का सलाना लगान मो०- 75 रुपया (80) परा अलावे
शेष। एराजी- 02 एकड 44 डिसमिल, जिसका जमाबंदी
नं०- 234, भाग वर्तमान- 2, पृष्ठ संख्या- 234, हल्का-
सबलपुर सन- 2022-23 ई० वो एराजी 03 एकड 22
डिसमिल जिसका जमाबंदी नं०- 972, भाग वर्तमान- 5, पृष्ठ
संख्या- 972, हल्का- सबलपुर, सन- 2024-25 ई० है।

Hans Kumar Rawat

H202.01.EL1

वर्णित जमीन रेलवे लाईन के उत्तर एवं ग्रामीण क्षेत्र में
स्थित है। जिसका चौहद्दी हरव जैल है।

चौहद्दी

उत्तर : निज
दक्षिण : बंका रोड
पुर्व : सड़क
पश्चिम : रामकृपाल बगैरह

लेख-संदर्भ

यह कि वर्णित सम्पत्ति के भू-स्वामि वो दखलकार
प्रथम पक्ष है जो कि वर्णित सम्पत्ति को नियमित आमदनी
हेतु किराया पर लगाना चाहते हैं तथा द्वितीय पक्ष को ईट
भट्टा के व्यवसाय के लिए जमीन की आवश्यकता है जिसके
लिए दोनों पक्षों के दरम्यान निम्नलिखित शर्तों के आधार पर
वर्णित सम्पत्ति की किरायेदारी की बातचीत तय पाई गई
है।

यह कि प्रथम पक्ष उपरोक्त वर्णित सम्पत्ति के मालिक
है। द्वितीय पक्ष ने प्रथम पक्ष से आकर खाने नं०-5 की भूमि
को लीज पर देने का आग्रह किया जिस पर प्रथम पक्ष ने
उक्त भूमि को द्वितीय पक्ष के साथ पांच वर्ष के लिये लीज
पर देना स्वीकार किया।

संदीप कुमार



4

अतः प्रथम पक्ष तथा विवाद का प्रमाण प्रदान करने तथा अपनी पूर्ण दायर्यता में निर्भर करके प्रमाण प्रदान करने पर स्वीकृत पक्ष पाठ्य वर्ष के लिये आपस में निम्नलिखित शर्तों के साथ करता है : जिसकी पूरी पाबन्दी प्रथम पक्ष तथा द्वितीय पक्ष एवं दोनों पक्षों के वारिसानों को हो लेना होगी।

1. यह कि उक्त भूमि जिसका वर्णन खाना न०- 5 में है जिसका सालाना किराया की राशि अर्धन 5,01,000/- (पांच लाख एक हजार) रुपये मात्र तय पाया है।

2. यह कि इस लीज की नग्याद 05 (पांच वर्ष) तक का है। जो उक्त लीज पत्र पर हस्ताक्षर की तारीख से द्वितीय पक्ष के हवाले कर दने।

3. यह कि उक्त भूमि वर्णित खाना न०- 5 पर किसी प्रकार का ऋण भार लिया हुआ प्रथम पक्ष, उनके वारिसानों या उनके पूर्वजों का नहीं है अगर भविष्य में किसी तरह का ऋण भार या भूमि विवाद वाया जायेगा या होगा तो उसकी जिम्मेवारी प्रथम पक्ष पर होगी।

4. यह कि द्वितीय पक्ष भट्टा के संबंधित कोई भी कार्य करने के अधिकारी है, जैसे ईट बनाना इत्यादि।

5. यह कि द्वितीय पक्ष किसी भी हालत में खाना न०- 5 वर्णित सम्पत्ति में कोई अवैध व्यवसाय नहीं करेगा।

6. यह कि जमीन पर द्वितीय पक्ष को किसी भी सरकारी या गैरसरकारी संस्था से ऋण लेने का अधिकार नहीं होगा।

7. यह कि द्वितीय पक्ष ईट के भट्टे के संबंधित दो मिटर गहरी गड्ढी काटने का अधिकारी है। अन्य कोई भी

रंजीत कुमार

5

कार्य कराये जाने पर यह लिज रद्द माना जाएगा। तथा द्वितीय पक्ष कानूनी कारवाही के जिम्मेदार होंगे।

8. यह लीज 05 (पांच) वर्षों के बाद स्वतः ही समाप्त हो जायेगा परन्तु दोनों पक्ष का संबंध मधुर रहा तो पुनः लीज का नवीनीकरण के द्वारा होना तय पाया है।

9. यह कि द्वितीय पक्ष उपरोक्त लीज को किसी दर लीज पर नहीं लगायेगे। वो अन्य किसी भी पार्टनर को नहीं रखेंगे।

इस वारंते यह लिज नामा पत्रा लिख दिया कि समय पर काम आवे।

दिनांक

Handwritten signature

1.4.10.2021

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प्रमाण पत्र सं०
4885/2022-2023
आवृत्ति करने का
तारीख : 21/06/2022

राजस्व एवं भूमि सुधार विभाग भूमि दखल-कब्जा (LPC) प्रमाण पत्र

बन्नाबंदी का विवरण:

भूमि दर्जियाल : प्लॉट संख्या: 214
जिला - Patna, अनुमंडल - Patna Sadar, अंचल - Patna Sadar, इलाका - Sabalpur, मौजा - सवलपुर,
ग्राम संख्या- 44

बन्नाबंदी रैफ्त का नाम:

रैफ्त का नाम: देवकी खेतवाड़ी, सोहर / पति-प्रवीन कुमार खेतवाड़ी, जाति- N/A

भूमि का विवरण:

खसत संख्या	खसत संख्या	खसत	चौकटी उत्तर	दक्षिण	पूरब	पश्चिम
99	11558	1 ए 61 180 ई				
547	11562	0 ए 32 180 ई				
215	4772	2 ए 44 180 ई				
	कुल रैफ्त	4 ए 37 18				

अतिरिक्त लगान का विवरण:

साल	अतिरिक्त संख्या	साल से	साल तक	लागत रकबा	लागत का साल
2022-04-14 11:08:59	14042022110818147582	2022- 2023	2022- 2023	0	30

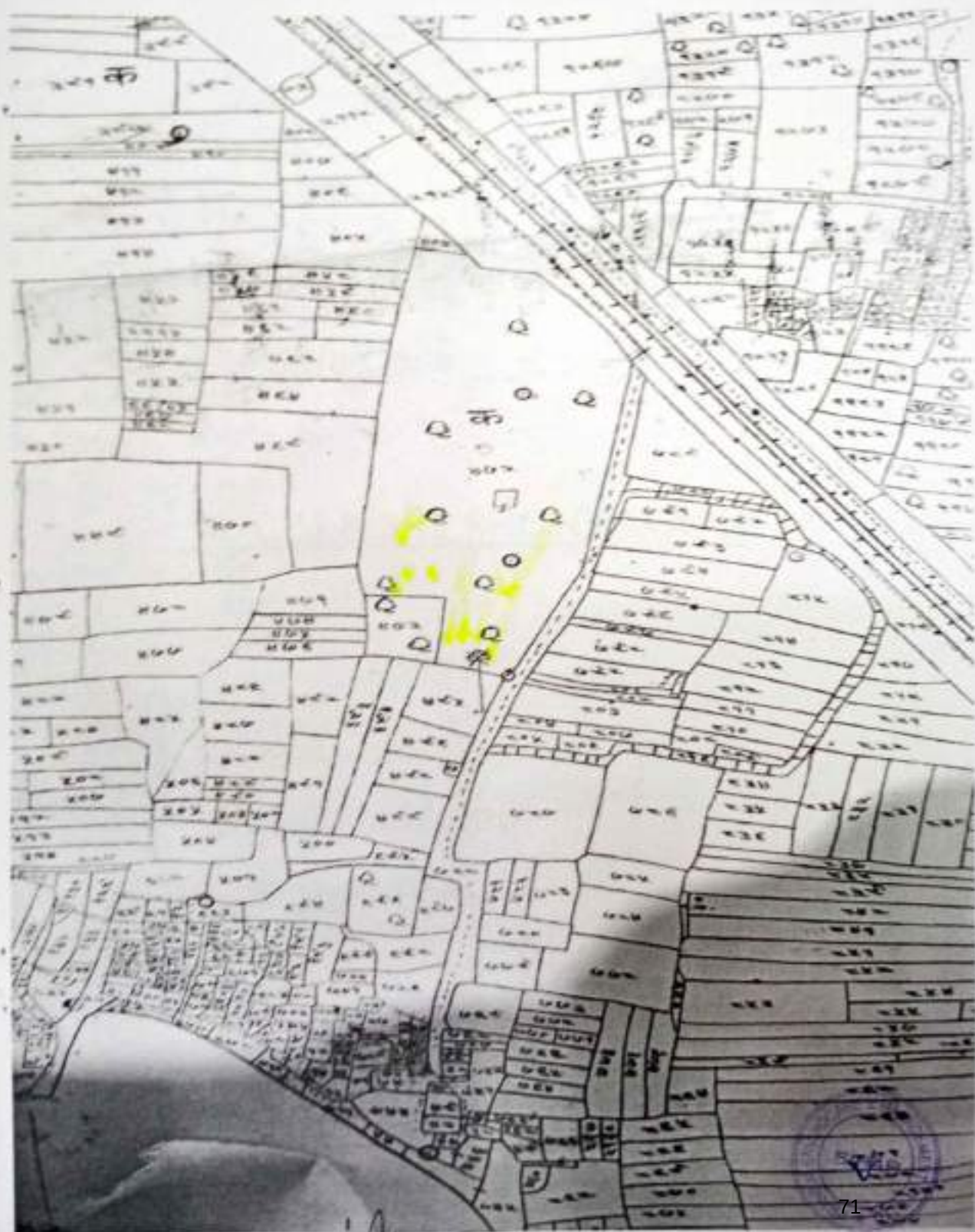
प्रमाणित किया जाता है कि राजस्व अभिलेखों के आधार पर उपरोक्त वर्णित भूमि/ भू-खंड पर आवेदक श्री श्रीमती देवकी खेतवाड़ी, सोहर / पति-प्रवीन कुमार खेतवाड़ी, जाति- N/A, ग्राम/मोहल्ला/वार्ड/मौजा- सवलपुर, अनुमंडल-सवालपुर इलाका- Sabalpur, अंचल- Patna Sadar, जिला- Patna, राज्य-बिहार का खाति पूर्ण दखल-कब्जा है।

ह० अंचल अधिकारी
Jatendra Pandey

संदीप कुमार



X
KHASRA MAP



PLATES & SITE PHOTOGRAPH

संदीप कुमार





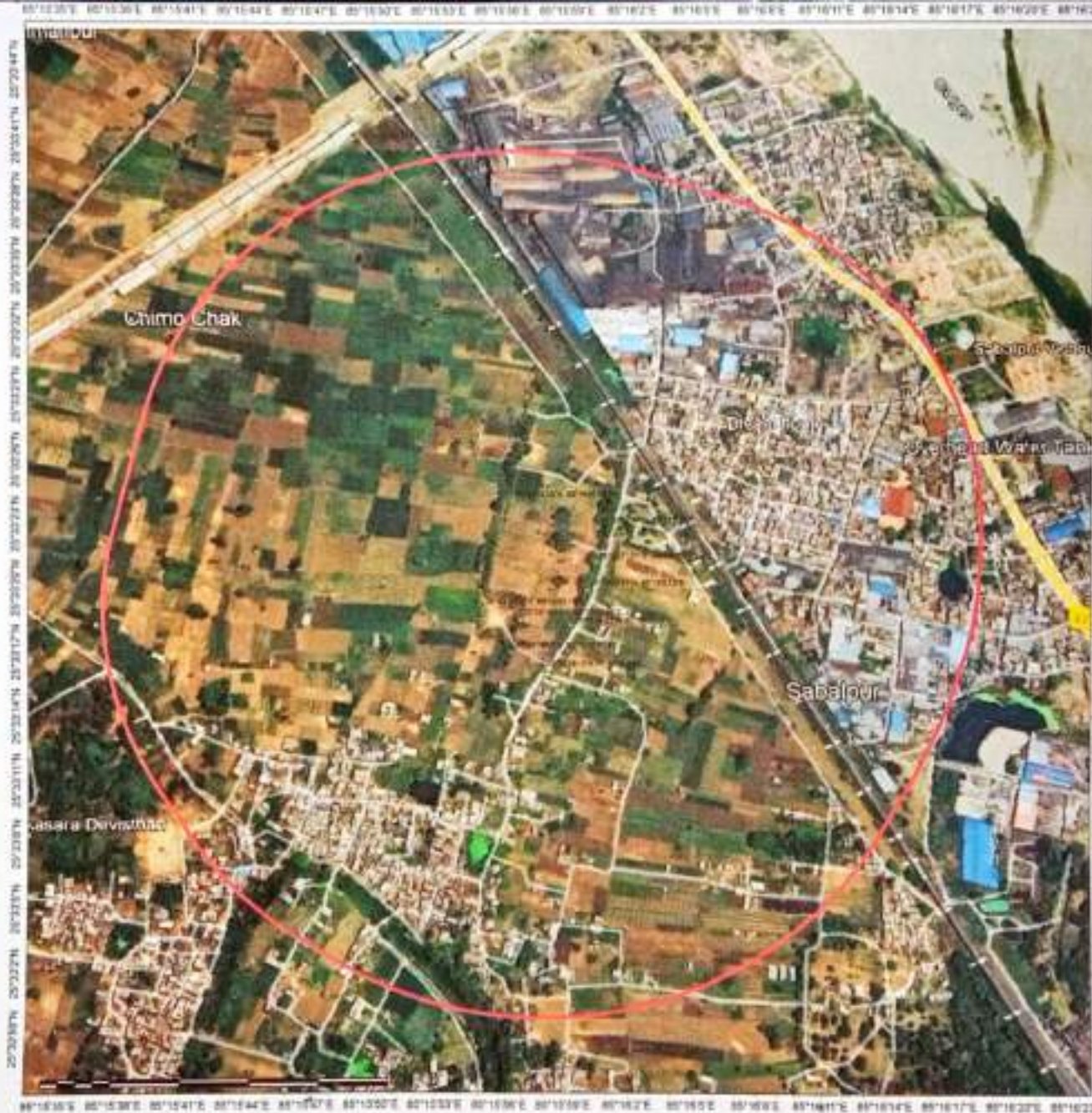
MINING SITE



BRICK KILN

સરગપ્પ ગામ





M/s Radha Bricks MINERAL- BRICK EARTH MINING

500m BUFFER LOCATION MAP OF THE STUDY AREA

Propo- Shri Sandip Kumar
S/o - Sudhir Kumar Sinha
Nurdiganj, Near Sodagadam,
P.S.- Mahalamsi,
Patna-800008
AREA- 2.29 HEC.
Mining Depth-2 m



Legend

- GPS Point
- Project Area
- Buffer_500m

Radha1.img

RGB

- Red: Layer_1
- Green: Layer_2
- Blue: Layer_3

Source
GOOGLE-SATELLITE 2024



Handwritten signature

Propo- Shri Sandip Kumar
S/o - Sudhir Kumar Sinha
Nardiganj, Near Sodagadam,
P.S.- Mahulami,
Patna-800008
AREA- 2.20 HEC.
Mining Depth-2 m



Legend

- G.P.D. Point
- Project Area
- Buffer_200m
- Buffer_2500m

72g2_g6_mosaic1.img

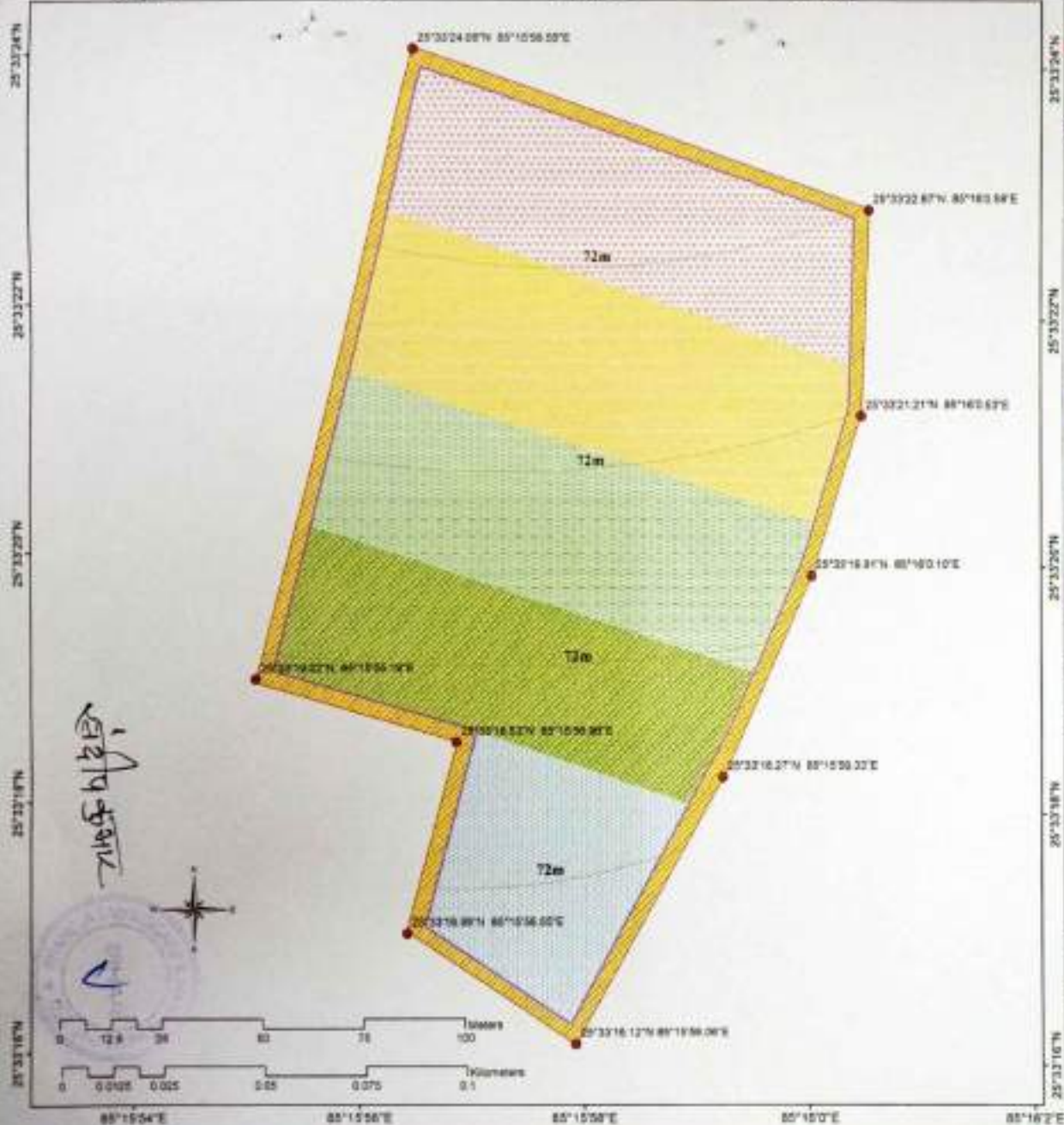
RGB

- Red Layer_1
- Green Layer_2
- Blue Layer_3

Source
TOPOSHEET: 72G/2 AND G/75

स्वदीप कुमार





M/s Radha Bricks **MINERAL- BRICK EARTH MINING**

Propo- Shri Sandip Kumar
S/o - Sudhir Kumar Sinha
Nurdiganj, Near Sodagodam, P.S.- Malsalami,
Patna-800008
AREA- 2.29 HEC.
Mining Depth-2 m

Index

- GPS Point
- Contour (1m) interval
- Mining Depth 2.0m
- First Year
- Second Year
- Third Year
- Fourth Year
- Fifth Year Plan
- Project Area
- Agriculture Land (LU) Landuse

PLATE NO-2

DEVELOPMENT PLAN

M/s Radha Bricks
Propo- Shri Sandip Kumar
Mauza- Sahulpur, Block- Patna City,
Distt- Patna, Bihar-800008

Area- 2.29 Ha.
Earth Mining Depth- 2.0 mtrs
Mauza- Sahulpur, Block- Patna City,
Distt- Patna, Bihar-800008
SCALE:- 1:500

DATE OF SURVEY

PREPARED BY :-

SIGNATURE

M/s Radha Bricks
MINERAL- BRICK EARTH MINING

Propo- Shri Sandip Kumar
 S/o - Sudhir Kumar Sinha
 Nurdiganj, Near Sodagodam, P.S.- Malsalami,
 Patna-800008
AREA- 2.29 HEC.
Mining Depth-2 m

Index

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

PLATE NO-3

EMP PLAN

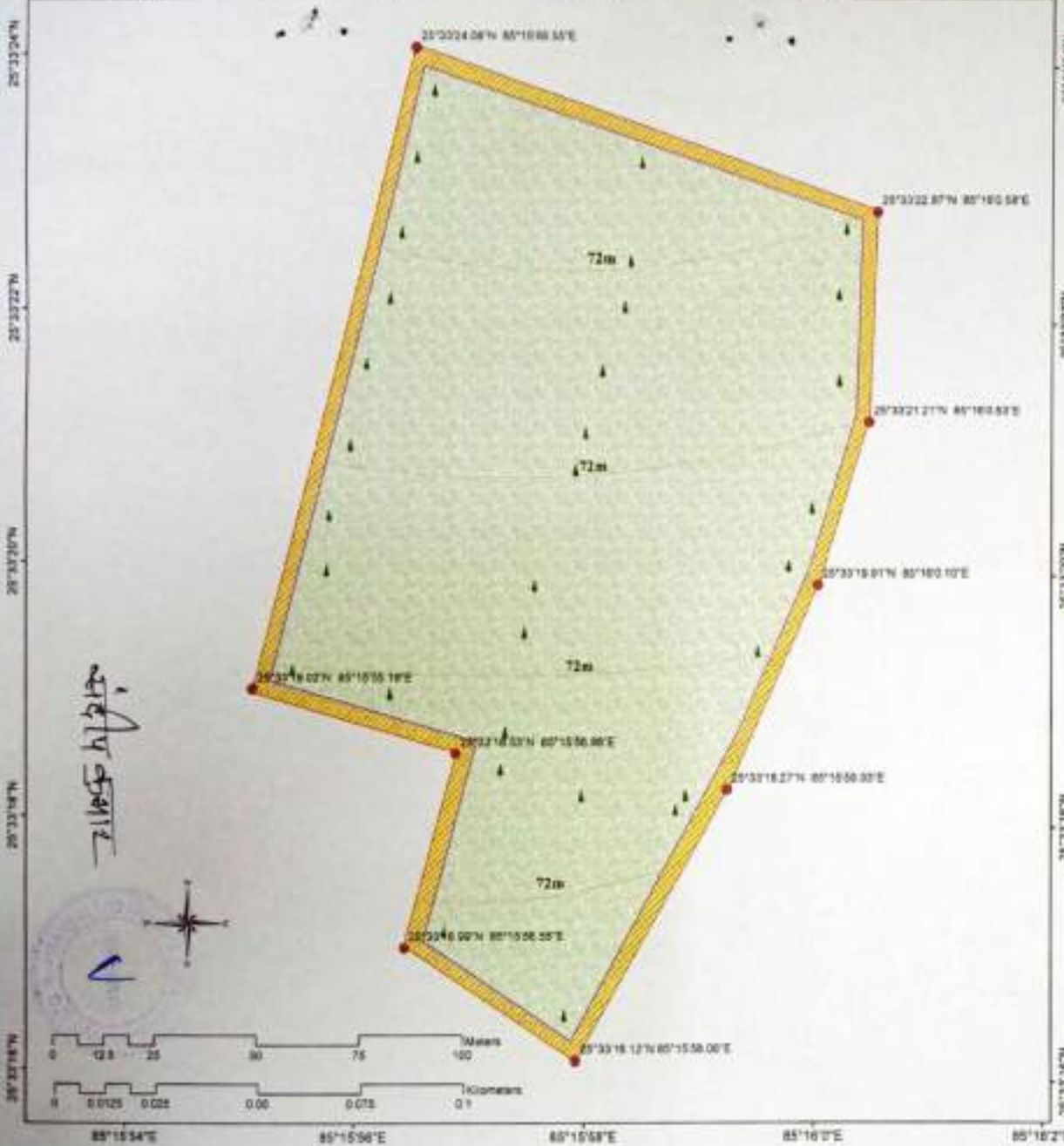
M/s Radha Bricks
 Propo- Shri Sandip Kumar
 Mauza- Sabalpur, Block- Patna City,
 Distt- Patna, Bihar-800008

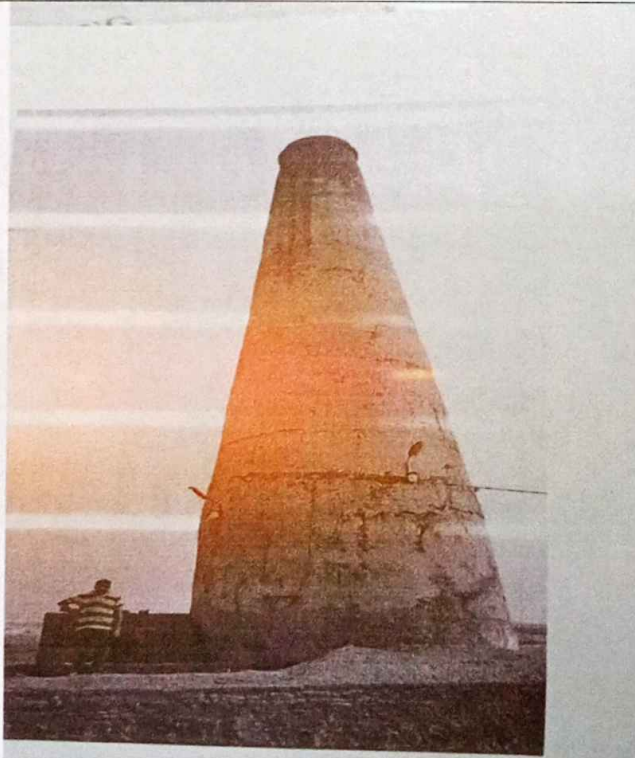
Area- 2.29 Ha.
Earth Mining Depth- 2.0 metres
 Mauza- Sabalpur, Block- Patna City,
 Distt- Patna, Bihar-800008
SCALE:- 1:500

DATE OF SURVEY

PREPARED BY :-

SIGNATURE



**MINING SITE****BRICK KILN**

सिद्धि कुमार

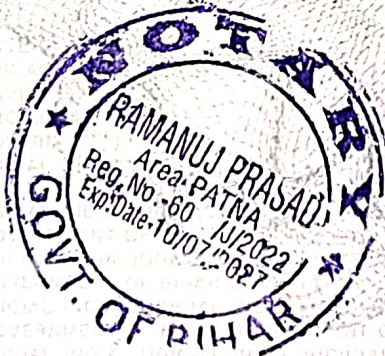




e-Court Fee

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

e-Court Fee Amount : 100 (One Hundred Rupees Only)



BRECR003C241200004570BRECR003C241200004570BRECR003C241200004570BRECR003C241200004570BRECR003C241200004570BRECR003C241200004570E

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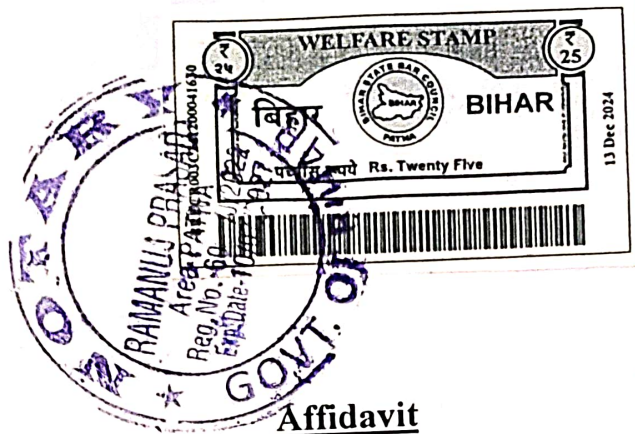
BRECR003C241200004570BRECR003C241200004570BRECR003C241200004570BRECR003C241200004570BRECR003C241200004570
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Sandeep Kumar
Who is identified by Sri. [Signature]
Advocate Solemnly affirms
and declares before me
[Signature]
Ramanuj Prasao
Notary Patna



Affidavit

I, Sandeep Kumar (Proprietor) of M/s. Radha Bricks S/o Sudhir Kumar Sinha resident of Mohalla-Nuruddinganj, P.O- Madha Mills, P.S-Malsalami, Dist.- Patna, Bihar 800008. With respect to 'Brick earth mining project' located at Mauza-Sabalpur, Block-Patna Sadar, Dist- Patna, Bihar over a proposed mining area: 2.29 Ha having a Production Capacity 7625.8 cum per annum, 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 of 'Brick earth mining project' located at Mauza-Sabalpur, Block-Patna Sadar, Dist- Patna, 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.
9. This is a fresh project and there are no other mine sites within a 500 m radius of the project site.

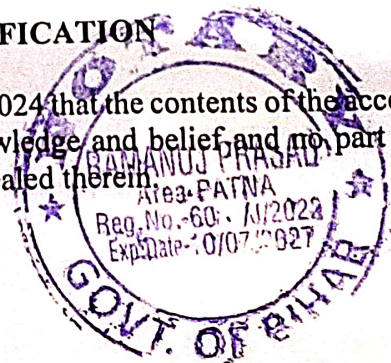
Signature of Deponent

Correspondent address: Mohalla-Nuruddinganj, P.O- Madha Mills, P.S-Malsalami, Dist.- Patna, Bihar 800008

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 / Signature of [Signature]
who has/have affirmed in my presence.



ANNEXURE-4

LAND DEED/AGREEMENT & REVENUE RECEIPT

संदीप कुमार



भारतीय गैर न्यायिक INDIA NON JUDICIAL

एक हजार रुपये

ONE THOUSAND RUPEES

रु.1000

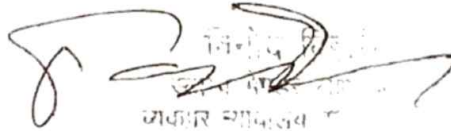
Rs.1000

BIHAR

नांवर 11/15 तारीख 25/8/15 रु. 1000

पं. 381/697

क्रेता का नाम व पता

संदीप कुमार सिन्हा सा. नुबुलपुर
पटना बिहार


जयन्त राय



LEASE DEED

(1) लेख्यकारी का नाम व पूरा पता :

श्री हर्ष कृष्ण रहोतगी, पिता का नाम- स्वर्गीय

चन्द्र कृष्ण रहोतगी, निवास स्थान महल्ला-

Maudestan Extn, 3rd Floor, 2/2A D

Monte Park Road Bandra West Mumbai,

राज्य- मुम्बई, भारतीय नागरिक हैं ।

आधार नं०- 5648 2751 4930

सही हर्ष कृष्ण रहोतगी लिज फलिलखा से सही है।
का राज पद का समझौता सब ठीक है मा० 500000/-
पैसा लेकर एक एक हजार मात्र इममाईला वसुल पाया

H. K. Singh

17.10.24

संदीप कुमार



2

2. श्रीमती रेशमी रहोतगी पति का नाम— श्री प्रवीण कुमार रहोतगी, निवास स्थान महल्ला— डी-98, सेक्टर-30 नोयडा, गांव वृद्ध नगर, राज्य— उत्तर प्रदेश, भारतीय नागरिक है।

आधार नं०-3926 1760 3118

दोनो का स्थाई पता— धवलपुरा कोठी, जय कुष्ण रोड, थाना— चौक, पत्रालय— वेगमपुर, पिनकोड— 800009, जिला— पटना है।

.....प्रथम पक्ष जमीन मालिक

3. श्री संदीप कुमार, पिता का नाम— श्री सुधीर कुमार सिन्हा, निवास स्थान महल्ला— नुरुउद्दिनगंज, सोरा गोदाम, थाना— मालसलामी, पत्रालय— पटना सिटी, जिला— पटना, भारतीय नागरिक हैं।

.....द्वितीय पक्ष किरायेदार

- (2) लेख्यधारी का नाम व पूरा पता :

परस्पर (आपस में प्रथम पक्ष एवं द्वितीय पक्ष के बीच)

- (3) लेख्य प्रकार — लिज-पत्र 05 (पांच) वर्ष सन्-2025-30 ई० तक के लिये।

- (4) सालाना किराया—

जिसका सालाना किराया अकेन 5,01,000/- (पांच लाख एक हजार) रुपये मात्र। वो हर एक वर्ष पर 5% कि बढ़ोतरी होगी। जो द्वितीय पक्ष समय से प्रत्येक वर्ष 30 अप्रैल को सालाना किराया प्रथम पक्ष को दे देंगे।

- (5) सम्पत्ति का सम्पूर्ण विवरण :

क्षेत्रफल— 05 एकड़, अर्थात— 66 डिसमिल, एराजी हकियत जमीन परती, सम्पत्ति अवस्थित मौजा— सबलपुर, थाना— नदी, जिला— पटना, सब रजिस्ट्री पटना सिटी वो सदर रजिस्ट्री बांकीपुर पटना। जिसका थाना नं०— 44, तौजी—बिहार सरकार, खाता नं०— 215, खेसरा नं०— 472, व जमींदारी बिहार सरकार, सर्किल ऑफिस पटना सदर, जिला—

श्री. संदीप रहोतगी लिज पत्र लिखा स्वीकृत है।
कृ. सं. 05-5,01,000/-
काउण्ट पट्टकर सम्पत्ति लिखा स्वीकृत है।
पांच लाख एक हजार रुपये मात्र गुजमाते वसुले पात्रा/-

ता.:- 17/10/2024

Rashmi Katagi

संदीप कुमार

3

पटना। यह एराजी पटना विकास प्राधिकार क्षेत्र के बाहर है।
सम्पत्ति का सलाना लगान मो0- 75 रुपया 00 पसा अलावे
शेष। एराजी- 02 एकड 44 डिसमिल, जिसका जमाबंदी
नं0- 234, भाग वर्तमान- 2, पृष्ठ संख्या- 234, हल्का-
सबलपुर, सन्- 2022-23 ई0 वो एराजी 03 एकड 22
डिसमिल जिसका जमाबंदी नं0- 972, भाग वर्तमान- 5, पृष्ठ
संख्या- 972, हल्का- सबलपुर, सन्- 2024-25 ई0 है।

Hars Kumar Ravi

5207.01-EL

वर्णित जमीन रेलवे लाईन के उत्तर एवं ग्रामीण क्षेत्र में
स्थित है। जिसका चौहददी हस्व जैल है।

चौहददी

उत्तर : निज
दक्षिण : बंका रोड
पुरब : सड़क
पश्चिम : रामकृपाल वगैरह

लेख-संदर्भ

यह कि वर्णित सम्पत्ति के भू-स्वामि वो दखलकार
प्रथम पक्ष है जो कि वर्णित सम्पत्ति को नियमित आमदनी
हेतु किराया पर लगाना चाहते हैं तथा द्वितीय पक्ष को ईंट
भट्टा के व्यवसाय के लिए जमीन की आवश्यकता है जिसके
लिए दोनों पक्षों के दरम्यान निम्नलिखित शर्तों के आधार पर
वर्णित सम्पत्ति की किरायेदारी की बातचीत तय पाई गई
है।

यह कि प्रथम पक्ष उपरोक्त वर्णित सम्पत्ति के मालिक
है। द्वितीय पक्ष ने प्रथम पक्ष से आकर खाने नं0-5 की भूमि
को लीज पर देने का आग्रह किया जिस पर प्रथम पक्ष ने
उक्त भूमि को द्वितीय पक्ष के साथ पांच वर्ष के लिये लीज
पर देना स्वीकार किया।

संदीप कुमार



4

अतः प्रथम पक्ष तथा द्वितीय पक्ष अपने-अपने तनमन की पूर्ण स्वस्थता में निर्णय रूप में समझें कि यह लीज पत्र पांच वर्ष के लिये आपस में निम्नलिखित शर्तों के साथ करता है। जिसकी पूरी पाबन्दी प्रथम पक्ष तथा द्वितीय पक्ष एवं दोनों पक्षों के वारिसानों को है तथा रहेगी।

1. यह कि उक्त भूमि जिसका वर्णन खाना न०- 5 में है, जिसका सालाना किराया की राशि अर्केन 5,01,000/- (पांच लाख एक हजार) रुपये मात्र तय पाया है।

2. यह कि इस लीज की मर्याद 05 (पांच वर्ष) तक का है। जो उक्त लीज पत्र पर हस्ताक्षर की तारीख से द्वितीय पक्ष के हवाले कर देंगे।

3. यह कि उक्त भूमि वर्णित खाना न०- 5 पर किसी प्रकार का ऋण भार लिया हुआ प्रथम पक्ष, उनके वारिसानों या उनके पूर्वजों का नहीं है अगर भविष्य में किसी तरह का ऋण भार या भूमि विवाद पाया जायेगा या होगा तो उसकी जिम्मेवारी प्रथम पक्ष पर होगी।

4. यह कि द्वितीय पक्ष भट्टा के संबंधित कोई भी कार्य करने के अधिकारी हैं, जैसे ईंट बनाना इत्यादि।

5. यह कि द्वितीय पक्ष किसी भी हालत में खाना न०- 5 वर्णित सम्पत्ति में कोई अवैध व्यवसाय नहीं करेंगे।

6. यह कि जमीन पर द्वितीय पक्ष को किसी भी सरकारी या गैरसरकारी संस्था से ऋण लेने का अधिकार नहीं होगा।

7. यह कि द्वितीय पक्ष ईंट के भट्टे के संबंधित दो मिटर गहरी मट्टी काटने का अधिकारी है। अन्य कोई भी

रंजीत कुमार

5

कार्य कराये जाने पर यह लिज रद्द माना जाएगा। तथा द्वितीय पक्ष कानुनी कारवाही के जिम्मेदार होंगे।

8. यह लीज 05 (पांच) वर्षों के बाद स्वतः ही समाप्त हो जायेगा परन्तु दोनों पक्ष का संबंध मधुर रहा तो पुनः लीज का नवीनीकरण के द्वारा होना तय पाया है।

9. यह कि द्वितीय पक्ष उपरोक्त लीज को किसी दर लीज पर नहीं लगायेगे। वो अन्य किसी भी पार्टनर को नहीं रखेंगे।

इस वास्ते यह लिज नामा पत्रा लिख दिया कि समय पर काम आवे।

दिनांक

Hand over Receipt

1.4.10.2024

सुदीप कुमार



किसी दूसरी भारतीय भाषा में देखने के लिए कृपया भाषा चुनें — भाषा चुनें —

To view in any Indian Language, please select Language



बिहार सरकार
बिहार सरकार
राजस्व एवं भूमि सुधार विभाग

01/10/2022

जमाबंदी पंजी प्रति

भाग वर्तमान : 5 पृष्ठ संख्या : 972 जमाबंदी संख्या : 972 कंप्यूटरीकृत जमाबंदी संख्या : 212140000228182
जिला का नाम : Patna अनुमंडल नाम : Patna Sadar अंचल का नाम : Patna Sadar इलाका का नाम : Sabalpur
मौजा का नाम : सकलपुर होलिंग संख्या : 0 ताली संख्या : 0 थाना नंबर : 44

भी सन्दर्भ कृष्ण रहोतगी को अजित कुमार रहोतगी, पिता/बाप/अबू
विनय कृष्ण रहोतगी, जाति : N/A

खता सं०	प्लॉट/खेसरा सं०	रकबा	चौहद्दी	परिवर्तन के लिए प्राधिकार	लगान	सेस
215	472	3 ए 22 डि 0 हे	N/A		10	10
कुल परिमाण		3 ए 22 डि 0 हे				

तिम लगान का विवरण	प्राप्ति पत्र सं०	साल से	साल तक	लागत बकाया
तारीख				
121-02-11 13:00:52	11022021125726774889	2011-2012	2020-2021	90
123-02-20 18:13:36	20022306114699579220	2021-2022	2022-2023	10
123-04-12 16:58:35	12042304581694880583	2023-2024	2023-2024	0
124-05-19 17:40:56	19052405331717122926	2024-2025	2024-2025	0

परोक जमाबंदी के विरुद्ध दाखिल खारिज का विवरण

Mutation Cases Not Found

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

खंडन

जब भी भूमि सुधार विभाग/एन आई एम और/या सी डी डी भी प्रत्यक्ष या अप्रत्यक्ष तौर पर, कानूनी मामला, अनुवाद प्रक्रिया में देरी के कारण अप्रत्यक्ष रूप से इस पोर्टल पर प्रकाशित भाषा की सामग्री में देखा गई किसी भी धार की कमी के लिए जिम्मेदार नहीं होगा।

Disclaimer

Department of Revenue and Land Reforms/NIC and/or C-DAC shall not be responsible for any direct or indirect financial loss, legal issues, obsolescence owing to delay in the translation process and/or any kind of inadequacies observed in the language content published on this portal.

संदीप कुमार





प्रमाण पत्र सं०
4885/2022 - 2023
छाती करने का
तारीख : 21/06/2022

राजस्व एवं भूमि सुधार विभाग भूमि दखल-कब्जा (LPC) प्रमाण पत्र



बनारबंदी का विवरण:

भूमि वर्गीकरण : ४ प्लॉट संख्या : 134
जिला - Patna, अनुमंडल - Patna Sadar, अंचल - Patna Sadar, हलका - Sabalpur, मौजा - सवलपुर,
धान संख्या - 44

बनारबंदी रैत का नाम:

रैत का नाम- रेशमी रहोतगी, सोहर / पति-प्रवीन कुमार रहोतगी, जाति- N/A

भूमि का विवरण :

सात सख्या	सात सख्या	सख्या	चौहद्दी उत्तर	दक्षिण	पूरव	पश्चिम
99	11558	1 ए 61 डि० है				
547	11559	0 ए 32 डि० है				
215	472	2 ए 44 डि० है				
	कुल योगदान	4 ए 37 डि०				

अतिरिक्त कृषान का विवरण :

तारीख	प्राप्ति पत्र संख्या	साल से	साल तक	सागत बकाया	सागत साल साल
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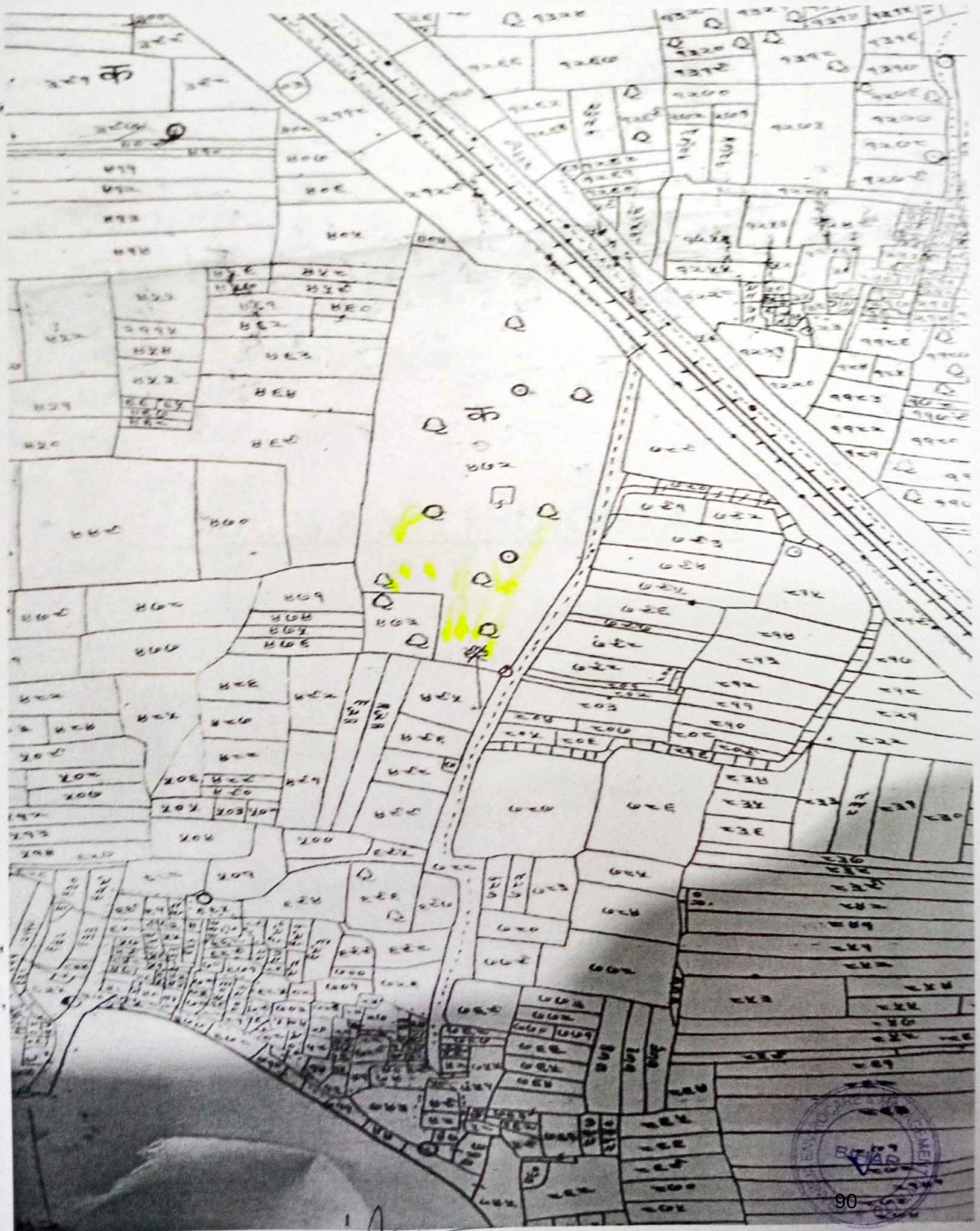
प्रमाणित किया जाता है कि सूचक अभिलेखों के आधार पर उपरोक्त वर्णित भूमि/भू-खंड पर आवेदक श्री/श्रीमती रेशमी रहोतगी, सोहर / पति-प्रवीन कुमार रहोतगी, जाति- N/A, ग्राम/मोहल्ला/वार्ड/मौजा- सवलपुर, पंचायत नालबेई हलका- Sabalpur, अंचल- Patna Sadar, जिला- Patna, राज्य-बिहार का शांति पूर्ण दखल-कब्जा है।

ह० अंचल अधिकारी
Jitendra Pandey

संदीप कुमार



X KHASRA MAP



श्री दीप कुमार

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:

1. I have prepared EMP / PFR report for 'Brick earth mining project' located at Mauza-Sabalpur, Block-Patna Sadar, Dist- Patna, Bihar over a proposed mining area: 2.29 Ha having a Production Capacity 7625.8 cum per annum 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.ina

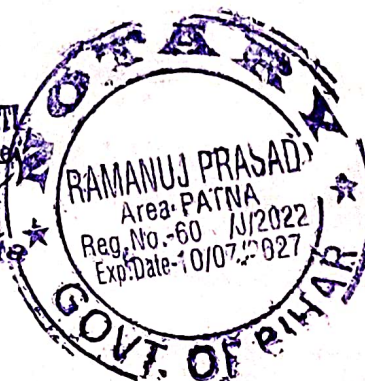
Correspondent address: Ecomen Mining Pvt. Ltd, Second Floor Hall, House no. B -1/8, Sector -H, Aliganj, Lucknow - 226024

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.

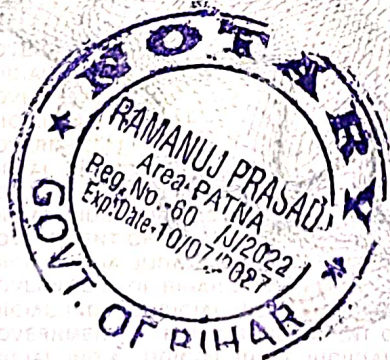
Signature of Deponent
I, Identify the deponent's Signature/TE/RTI
who has/have affixed in my presence

Advocate



e-Court Fee

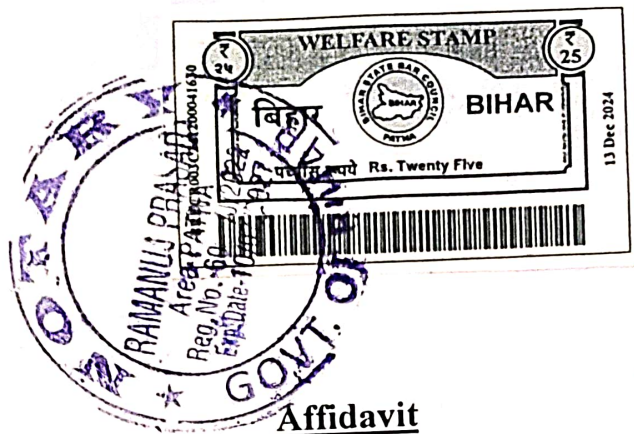
e-Court Fee Amount : 100 (One Hundred Rupees Only)



IN 2402601909

[illegible][illegible]

Sandeep Kumar
Who is identified by Sri. *[Signature]*
Advocate Solemnly affirms
and declares before me
[Signature]
Ramanuj Prasao
Notary Patna



Affidavit

I, Sandeep Kumar (Proprietor) of M/s. Radha Bricks S/o Sudhir Kumar Sinha resident of Mohalla-Nuruddinganj, P.O- Madha Mills, P.S-Malsalami, Dist.- Patna, Bihar 800008. With respect to 'Brick earth mining project' located at Mauza-Sabalpur, Block-Patna Sadar, Dist- Patna, Bihar over a proposed mining area: 2.29 Ha having a Production Capacity 7625.8 cum per annum, 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 of 'Brick earth mining project' located at Mauza-Sabalpur, Block-Patna Sadar, Dist- Patna, 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.
9. This is a fresh project and there are no other mine sites within a 500 m radius of the project site.

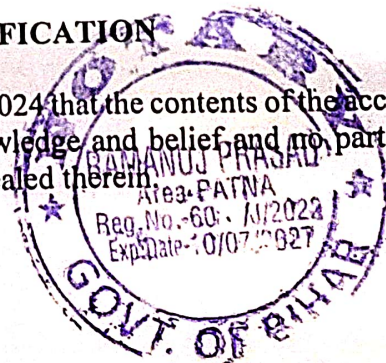
Signature of Deponent

Correspondent address: Mohalla-Nuruddinganj, P.O- Madha Mills, P.S-Malsalami, Dist.- Patna, Bihar 800008

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 / Signature of Notary
who has/have affirmed in my presence.



 701-PATNA बैंक ऑफ महाराष्ट्र Bank of Maharashtra		A/c Payee Only		<table border="1"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>D</td><td>D</td><td>M</td><td>M</td><td>Y</td><td>Y</td><td>Y</td><td>Y</td> </tr> </table>										D	D	M	M	Y	Y	Y	Y
D	D	M	M	Y	Y	Y	Y														
माँग किये जाने पर प्राप्त राशि के निमित्त ON DEMAND PAY		01269 -RAJA BAZAR PATNA		19/12/2024																	
रुपये RUPEES		328586		को या उनके आदेश पर/OR ORDER																	
MEMBER SECRETARY SEIAA, BIHAR		*****																			
Twenty Five Thousand Rupees only		दा करे FOR VALUE RECEIVED																			
*****25000.00		*****																			
कृते बैंक ऑफ महाराष्ट्र FOR BANK OF MAHARASHTRA																					
Purchaser Name: PRAVEEN ROY																					
OT TT OL TL																					
बैंक ऑफ महाराष्ट्र BANK OF MAHARASHTRA																					
को		प्राधिकृत अधिकारी/AUTHORISED OFFICIAL/S																			
		Please sign above																			

328586 0000140001

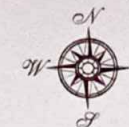
16

ANNEXURE-7

M/s Radha Bricks
MINERAL- BRICK EARTH MINING

500m BUFFER LOCATION MAP
OF THE STUDY AREA

Propo- Shri Sandip Kumar
S/o - Sudhir Kumar Sinha
Nurdiganj, Near Sodagadam,
P.S.- Malsalami,
Patna-800008
AREA- 2.29 HEC.
Mining Depth-2 m



Legend

- GPS Point
- Project Area
- Buffer_500m

Radha1.img

RGB

- Red: Layer_1
- Green: Layer_2
- Blue: Layer_3

Source
GOOGLE-SATELLITE 2024

Handwritten signature





National Accreditation Board for Education and Training

Certificate of Accreditation

Ecomen Mining Pvt. Ltd. (formerly known as Ecomen Laboratories Pvt Ltd.)

Second Floor Hall, House no. B -1/8, Sector –H, Aliganj, Lucknow – 226024

The organization is accredited as **Category-A** under the QCI-NABET Scheme for Accreditation of **EIA Consultant Organization, Version 3**: for preparing EIA/EMP reports in the following Sectors

S. No	Sector Description	Sector (as per)		Cat.
		NABET	MoEFCC	
1.	Mining of minerals including opencast / underground mining	1	1 (a) (i)	A
2.	River valley projects	3	1 (c)	A
3.	Thermal power plants	4	1 (d)	A
4.	Mineral beneficiation	7	2 (b)	A
5.	Metallurgical industries	8	3 (a)	A
6.	Cement plants	9	3 (b)	A
7.	Coke oven plants	11	4 (b)	A
8.	Asbestos milling and asbestos based products	12	4(c)	A
9.	Sugar Industry	25	5 (j)	B
10.	Industrial estates/ parks/ complexes/ Areas, export processing zones(EPZs), Special economic zones (SEZs), Biotech parks, Leather complexes	31	7 (c)	A
11.	Common hazardous waste treatment, storage and disposal facilities (TSDFs)	32	7 (d)	A
12.	Highways	34	7 (f)	A
13.	Building and construction projects	38	8 (a)	B
14.	Townships and Area development projects	39	8 (b)	B

Note: Names of approved EIA Coordinators and Functional Area Experts are mentioned in SAAC minutes dated February 02, 2024, posted on QCI-NABET website.

The Accreditation shall remain in force subject to continued compliance to the terms and conditions mentioned in QCI-NABET's letter of accreditation bearing no QCI/NABET/ENV/ACO/24/3184 dated Mar. 27, 2024. The accreditation needs to be renewed before the expiry date by Ecomen Mining Pvt. Ltd., Lucknow following due process of assessment.

Issue Date
Mar. 27, 2024



Valid up to
Mar. 22, 2025

Mr. Ajay Kumar Jha
Sr. Director - NABET

Certificate No.
NABET/EIA/22-25/SA 0219

Prof (Dr) Varinder S Kanwar
CEO - NABET

For the updated List of Accredited EIA Consultant Organizations with approved Sectors please refer to QCI-NABET website.