

To,

Date: .12.2022

The Chairman,
State Expert Appraisal Committee
Guwahati,781021
Assam

Subject: Application for Environmental Clearance appraisal of
“Beldenga Stone Mahal, Village- Modertoli,P.S.Doboka
District- Hojai, State- Assam.Area – 5.0 Ha”

Respected Sir,

Kindly refer to the above subject in context of the same, we are hereby submitting
Form 1, PFR, Approved Mining Plan along with requisite annexures.

Henceforth, we request you to kindly accept our proposal in procedural of EC
Appraisal.

Thanking you.

Yours faithfully,

Bishnu

Shri Bishnu Ram Bordoloi

Add.Village- Jamunamukh Kathkatiagaon
P.O. Jamunamukh, District- Nagaon(Assam)

PROPOSAL

(“B2” Category of 1 (a) column 4 of EIA Notification dated 14.06.2006 and its subsequent amendment vide S.O. 3977(E) dated 14th Aug 2018) and MoEF&CC office memorandum dated: 12th December, 2018)

Sector: 1(a) Mining of Minerals

NAME OF PROJECT

Beldenga Stone Mahal
Village- Modertoli, P.S. Doboka District- Hojai, State- Assam. Area – 5.0 Ha

Production Capacity of Stone Mining: 50000 Cu.m For 1 Year

PROJECT PROPONENT

Shri Bishnu Ram Bordoloi
Add. Village- Jamunamukh Kathkatiagaon P.O.
Jamunamukh, District- Nagaon (Assam)

ENVIRONMENTAL CONSULTANT

GEOGREEN ENVIRO HOUSE PVT. LTD.

(An ISO 9001: 2015 Certified and QCI/ NABET Accredited Co.)

Reg. Office: C-1/20 Viraj Khand, Gomti Nagar- 226010

Email: vkm.geo@gmail.com, Contact: +91- 9415215163, 9161202020

Website: www.geogreen.in

Form-2

APPLICATION FOR PRIOR ENVIRONMENTAL CLEARANCE

S. No.	Item	Details
1.	<p>Whether it is a violation case and application is being submitted under Notification No. S.O.804(E) dated 14.03.2017 ?</p> <p>Details of Project:</p> <p>(a) Name of the project(s)</p> <p>(b) Name of the Company / Organisation</p> <p>(c) Registered Address</p> <p>(d) Legal Status of the Company</p>	<p>No</p> <p>Beldenga Stone Mahal BISHNURAMBORDOLOI Beldenga Stone Mahal, Village- Modertoli Gaon, P.O, Modertoli, P.S. Doboka, District- Hojai(Assam), Hojai, Assam-782435 Individual</p>
2.	<p>Address for the correspondence:</p> <p>(a) Name of the Applicant</p> <p>(b) Designation (Owner/ Partner/ CEO)</p> <p>(c) Address</p> <p>(d) Pin code</p> <p>(e) E-mail</p> <p>(f) Telephone No.</p> <p>(g) Fax No.</p> <p>(h) Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency .</p>	<p>Bishnu Ram Bordoloi Proprietor Beldenga Stone Mahal, Village- Modertoli Gaon, P.O, Modertoli, P.S. Doboka, District- Hojai(Assam), Nagaon, Assam-782460 782460 bishnujamunamukh@gmail.com 0-</p> <p><u>Annexure-Uploaded Copy of documents in support of the competence/authority</u></p>
3.	<p>Category of the Project/Activity as per Schedule of EIA Notification, 2006:</p> <p>(a) Major Project/Activity</p> <p>(b) Minor Project/Activity</p> <p>(c) Category</p> <p>(d) Proposal Number</p> <p>(e) Master Proposal Number(Single Window)</p> <p>(f) EAC concerned (for category A Projects only)</p> <p>(g) Project Type</p>	<p>1(a) Mining of minerals NIL B2 SIA/AS/MIN/245934/2021 SW/245922/2021 Non-Coal Mining Fresh EC</p>
4.	<p>Location of the Project:</p> <p>(a) Plot/Survey/Khasra No.</p> <p>(b) Pincode</p> <p>(c) Bounded Latitudes (North)</p> <p>From</p> <p>Degree</p> <p>Minutes</p> <p>Second</p> <p>From</p> <p>Degree</p> <p>Minutes</p> <p>Second</p> <p>(d) Bounded Longitudes (East)</p> <p>From</p> <p>Degree</p> <p>Minutes</p> <p>Second</p> <p>From</p> <p>Degree</p> <p>Minutes</p> <p>Second</p> <p>(e) Survey of India Topo Sheet No.</p> <p>(f) Uploaded Topo Sheet File</p> <p>(g) Maximum Elevation Above Means Sea Level(AMSL)</p> <p><i>(h) Uploaded (kml) File</i></p> <p>(i) Distance of Nearest HFL from the project boundary within the study area</p> <p>(j) Seismic Zone</p>	<p>Beldenga Stone Mahal, 782460</p> <p>26 8 54.28</p> <p>26 8 52.76</p> <p>92 48 45.75</p> <p>92 48 45.73</p> <p>83B/16 <u>Copy of Topo Sheet File</u> 242 <u>Copy of Kml File</u> </p> <p>0 5</p>
5.	<p>(a) Number of States in which Project will be Executed</p> <p>(b) Main State of the project</p>	<p>1 Assam</p>

Details of State(s) of the project

S. No.	State Name	District Name	Tehsil Name	Village Name							
(1.)	Assam	Hojai	No Data	Modertoli							
6.	Details of Terms of Reference (ToR):										
7.	Details of Public Consultation:										
	(a) Whether the Project Exempted from Public Hearing?	Yes									
	(b) Reason	B2 Category Project									
	(c) Supporting Document	Copy of Supporting Document									
8.	Details of Project Configuration/Product:										
8.1.	Project Configuration										
S. No.	Plant/Equipment /Facility	Configuration	Remarks								
(1.)	NA	NA	NA								
8.2.	Product										
S. No.	Product/Activity (Capacity/Area)	Quantity	Unit	Other Unit	Mode of Transport / Transmission of Product	Other Mode of Transport / Transmission of Product					
(1.)	Quartzite Rock	200	Cubic Meter per Day		Road						
9.	In case of Expansion / Modernisation / One Time Capacity Expansion (only for Coal Mining) / Expansion under Clause 7(ii) / Modernisation under Clause 7(ii) / Change of Product Mix under Clause 7(ii):										
	Details Not Applicable										
9.1.	Details of Consent to Operate										
	(i) Whether Consent to operate obtained ?	NA									
	(ii) Copies of all Consent to operate obtained since inception	NA									
	(iii) Date of Issue	N/A									
	(iv) Valid Upto	N/A									
	(v) File No.	NA									
	(vi) Application No.	NA									
	(vii) Copy of Consent to operate valid as on date	NA									
10.	Project Cost:										
	(a) Total Cost of the Project at current price level (in crores)	0.395									
	(b) Funds Allocated for Environment Management (Capital) (in crores)	0.0050									
	(c) Funds Allocated Towards ESC (Entrepreneur Social Responsibility) (in crores)	0.017									
	(d) Funds Allocated for Environment Management Plan (EMP) (Recurring per Annum) (in crores)	0.0016									
	(e) Funds Allocated for Environment Management Capital(%)	1.27									
11.	Whether project attracts the General Condition specified in the Schedule of EIA Notification ?										
		No									
12.	Whether project attract the Specific Condition specified in the Schedule of EIA Notification ?										
		No									
13.	Raw Material / Fuel Requirement:										
	(a) Proposed quantity of raw material/fuel	0									
	(b) Existing quantity of raw material/fuel	N/A									
	(c) Total quantity of raw material/fuel	0									
13.1.	Raw Material / Fuel Profile										
S. No.	Raw Material / Fuel	Quantity	Unit	Other Unit	Source (in case of Import, please specify country and Name of the port from which Raw	Mode of Transport	Other Mode of Transport	Distance of Source from Project Site (in Kilometres) (In case of import, distance from the port from which the raw	Type of Linkage	Other Type of Linkage	Uploaded Copy of Linkage

(1.)	NA	0	Others	cum/day	NA	Road	0	Linkage	Copy of Linkage
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Baseline Data :

14.	(a)Period of Base Line Data Collection	FROM 01 Oct 2021 To 01 Oct 2021
	(b)Season	Winter

14.1. No. of ambient Air Quality (AAQ) Monitoring Locations : 0

S. No.	Criteria Pollutants	Other Criteria Pollutants	Unit	Maximum Value	Minimum Value	98 Percentile Value	Prescribed Standard
(1.)	PM10		NA	0	0	0	0
(2.)	PM2.5		NA	0	0	0	0
(3.)	NOx		NA	0	0	0	0
(4.)	SO2		NA	0	0	0	0

14.2. No. of Ground Water Monitoring Locations : 0

S. No.	Criteria Pollutants	Other Criteria Pollutants	Heavy Metal	Unit	Other Unit	Maximum Value	Minimum Value	Desirable Limit	Maximum Permissible Limit
(1.)	pH			NA		0	0	0	0
(2.)	Others	NA		NA		0	0	0	0
(3.)	Fluoride			NA		0	0	0	0
(4.)	TSS			NA		0	0	0	0
(5.)	TDS			NA		0	0	0	0
(6.)	Total Hardness			NA		0	0	0	0
(7.)	Chlorides			NA		0	0	0	0
(8.)	Heavy Metals		NA	NA		0	0	0	0

14.3. No. of Surface Water Monitoring Locations : 0

S. No.	Criteria Pollutants	Other Criteria Pollutants	Unit	Other Unit	Maximum Value	Minimum Value	Classification of inland water body
(1.)	pH		NA		0	0	A
(2.)	DO		NA		0	0	A
(3.)	BOD		NA		0	0	A
(4.)	COD		NA		0	0	A
(5.)	Others	NA	NA		0	0	A

14.4. No. of Ambient Noise Monitoring Locations : 0

S. No.	Parameter	Unit	Maximum Value	Minimum Value	Prescribed Standard
(1.)	Leq(Night)	A-weighted decibels(dB(A))	0	0	
(2.)	Leq(Day)	A-weighted decibels(dB(A))	0	0	

14.5. No. of Soil Sample Monitored Locations : 0

S. No.	Parameter	Unit	Other Unit	Maximum Value	Minimum Value
(1.)	Electric Conductivity			0	0
(2.)	K(Potassium)			0	0
(3.)	pH			0	0
(4.)	N(Nitrogen)			0	0
(5.)	P(Phosphorus)			0	0

Details of Ground Water Table:

14.6.	(a)Range of Water Table Pre-Monsoon Season (Meters Below Ground Level (m bgl))	From 0 To 0
	(b)Range of Water Table Post-Monsoon Season (Meters Below Ground Level (m bgl))	From 0 To 0
	(c)Whether Ground Water Intersection will be there ?	NA

15. Details of Water Requirement (During Operation)

S. No.	Source	Source Other	Required Quantity	Distance from Source	Copy of Permission from Competent Authority	Mode of Transport	Other Mode of Transport	Method of Water Withdrawal	Other Method of Water Withdrawal	Letter No.	Date of Issue	Permitted Quantity
(1.)	Others	NA	0	0	Copy of Permission Letter	modeOthers	NA	Others	NA	NA	01 Nov 2021	0

15.1. (a) Whether Desalination is proposed Yes No

16. Waste Water Management (During Operation)

S. No.	Type/Source	Quantity of Waste Water Generated (Kilolitre per Day)	Treatment Capacity (Kilolitre per Day)	Treatment Method	Mode of Disposal	Other Mode of Disposal	Quantity of Treated Water Used in Recycling/Reuse (Kilolitre per Day)	Quantity of Discharged Water (Kilolitre per Day)
(1.)	NA	0	0	0	Others	NA	0	0

16.1. (a) Total Waste Water Generation: 0
 (b) Total Discharged Water: 0
 (c) Total Reused Water: 0

17. Solid Waste Generation/Management

S. No.	Name of Waste	Item	Other Item	Quantity per Annum	Unit	Distance from Site (KM)	Mode of Transport	Other Mode of Transport	Mode of Disposal	Other Mode of Disposal
(1.)	NA	Others	NA	0	Kilolitre	0	Road		Others	NA

18.

18.1. Air Quality Impact Prediction

S. No.	Criteria Pollutants	Other Criteria Pollutants	Unit	Baseline Concentration	Distance GLC	Incremental Concentration	Total GLC	Prescribed Standard
(1.)	PM10		NA	0	0	0	0	0
(2.)	SO2		NA	0	0	0	0	0
(3.)	NOx		NA	0	0	0	0	0
(4.)	Others (Specify)	NA	NA	0	0	0	0	0
(5.)	PM2.5		NA	0	0	0	0	0

18.2. Stack Details

S. No.	Source	Fuel	Stack Height (m)	Stack Diameter (m)	Pollutants	Other Pollutants	Emission (GLS)
(1.)	NA	NA	0	0	Others		0

19. **Power Requirement:**
 (a) Quantity (Kilo Volt Amps (kVA)): 0
 (b) Source: 0
 (c) Uploaded Copy of Agreement: Copy of Agreement
 (d) Standby Arrangement (Details of DG Sets): 0
 (e) Stack Height (in m): 0

20. **Land Ownership Pattern:**
 (a) Forest Land: 0
 (b) Private Land: 0
 (c) Government Land: 5.0
 (d) Revenue Land: 0
 (e) Other Land: 0
Total Land: 5.0

21. **Present Land Use Breakup of the Study Area in Ha:**
 (a) Agriculture Area: 0
 (b) Waste/Barren Land: 0
 (c) Grazing/Community Land: 0
 (d) Surface Water Bodies: 0
 (e) Settlements: 0
 (f) Industrial: 0
 (g) Forest: 0

(h) Mangroves	0
(i) Marine Area	0
(j) Others : Govt land	5
Total	5

22. Land Requirement for Various Activities

S. No.	Description of Activity / Facility / Plant / Others	Others	Land Requirement	Remarks
(1.)	Quarry Area		5.0	
	Total		5	

23. Ecological and Environmental Sensitivity (Within 10 Km):- WLS-Wild Life Species; NPA-Notified Protected Area; ESAs-Eco Sensitive Areas; ESZs-Eco Sensitive Zones :

23.1. Details of Ecological Sensitivity :

S. No.	Details of Ecological Sensitivity	Name	Distance from the Project (Km)	Remarks
(1.)	Critically Polluted Area	NA	0	
(2.)	WLS	0	0	
(3.)	NPA	0	0	
(4.)	Corridors	NA	0	
(5.)	Wildlife Corridors	0	0	
(6.)	ESAs	NA	0	
(7.)	ESZs	NA	0	

23.2. Details of Environmental Sensitivity :

S. No.	Details of Environmental Sensitivity	Other Details of Environmental Sensitivity	Name	Distance from the Project (Km)	Remarks
(1.)	Forest		NA	0	
(2.)	Archaeological Sites		NA	0	
(3.)	Defence Installations		NA	0	
(4.)	Others	NA	NA	0	

23.3. (a) Whether Noc / Permission from the competent authority is required? No

(b) Whether NBWL recommendation is required? No

24. **Forest Land:**
Whether any Forest Land involved? No

25. **Tree Cutting:**
(a) No. of Trees Cut for the Project (if Forest Land not Involved) 0
(b) Details of Tree Cutting and Planting of Trees
Copy of Details of Tree Cutting and Planting of Trees

26. **Land Acquisition Status:**
(a) Acquired Land(Ha) 5.0
(b) Land yet to be acquired(Ha) 0
(c) Status of Land acquisition if not acquired Already completed

27. **Rehabilitation and Resettlement (R&R):**
(a) No. of Villages 0
(b) No. of Households 0
(c) No. of PDFs (Project Displaced Families) 0
(d) No. of PAFs (Project Affected Families) 0
(e) Funds Allocated for R&R(in Rs) 0
(f) Status of R&R Completed

28. **Details of Presence of Schedule-I Species:**
(a) Whether there is Presence of Schedule-I Species ? No
(b) Whether conservation plan for Schedule-I Species has been prepared ? No
(c) Whether conservation plan for Schedule-I Species has been approved by competent authority ? No

29. **Details of Presence of Water Bodies in Core Area:**
(a) Whether there is Presence of Water Bodies in Core Area ? No
(b) Whether there is Diversion Required ? No

	(c)Whether permission has been obtained from competent authority ?	No
30.	Details of Presence of Water Bodies in Buffer Area: (a)Whether there is Presence of Water Bodies in Buffer Area ?	No
31.	Manpower Requirement: (a)Permanent Employment-During Construction (b)Permanent Employment-During Operation (c)Temporary Employment- During Construction (d)Temporary Employment- During Operation (e)No. of working days (f)Total Manpower	0 0 0 32 250 32
32.	Green Belt in Ha: (a)Total Area of Green Belt (in hectare) (b)Percentage of Total Project Area (c)No. of Plants to be Planted (d)Funds Allocated for Plantation (e)Uploaded Green Belt plan	0 0.00 0 0 Copy of Green Belt Plan
33.	Project Benefits	
S. No.	Type of Project Benefits	Details of Project Benefits
(1.)	Financial	Employments will be generated

34. CRZ Specific Details : Not Applicable

35. Sector Specific Details For Non-Coal Mining

S. No.	Item	Details
1.	No. of Mineral(s) to be Mined : 1	
S. No.	Mineral(s) to be Mined	Major or Minor Mineral
(1.)	Quartzite rock	Minor
2.	Mine Capacity in ROM (Run of Mine)	50000
3.	Uploaded 500 meters Cluster Certificate from State Mines and Geology in case of minor minerals	Copy of 500 meters Cluster Certificate from State Mines and Geology
4.	Mining Plan: (a)Approval Letter No. (b)Date of Approval (c)Approved Letter (d)Approved By State Mining and Geology Department (e)Approved Mining Lease Area (f)Approved Capacity	GM/MM/86-B(40)/PT-111/3314-18 08 Dec 2021 Copy of Approved Letter State 5.0 250000
5.	Technical Details: (a)Total Geological Reserves (Million Ton) (b)Mineable Reserves (Million Ton) (c)Extractable Reserves(Million Ton) (d)Percent(%) of Extraction (e)Grade of Coal /Ore /Mineral (f)Stripping Ratio (g)Category of Gaseousness (Only for Coal Mining, Others may Write NA) (h)Average Gradient(Degree) (i)Mining Method (j)Life of Mine (Years)	2700000 2700000 250000 0 0 0 : 0 0 0 Opencast 5
6.	Details of Beneficiations: (a)Whether it is proposed to install beneficiation plant/Coal washery within the mining lease area (b)Whether it is proposed to install crusher within the mining lease area	No No
7.	Details of Seams: (a)Whether details of seam applicable	No

Details of Mining Lease:	
(a) Mining Lease Area (in Hectare)	5.0
(b) Whether obtained Letter of Intent (LOI) from the state government ?	Yes
(i) Copy of Letter of Intent	Copy of Letter of Intent
(ii) Date of issue of LOI	25 Oct 2021
(iii) Validity of LOI	2
(iv) Reference No. of LOI	FNGT/B/Beldenga Stone Mahal/2021/4890-91
(c) Whether Lease Deed Executed ?	No
(i) Reason thereof	Fresh EC
(d) Whether Lease Deed Renewed ?	No
(i) Reason thereof	Fresh EC

OB (Over Burden) Management:	
(a) Details of External Dumps:	
(i) No. of OB Dumps	0
(ii) Total Area (in Hectare)	0
(iii) Height (in meter)	0
(iv) Quantity (in Million Cubic meter)	0
(v) No. of year back fill up	0
(b) Details of Internal Dumps:	
(i) No. of Internal Dumps	0
(ii) Total Area (in Hectare)	0
(iii) Height (in meter)	0
(iv) Quantity (in Million Cubic meter)	0

Details of Topsoil Management:	
(a) Quantity of Topsoil excavated during the entire life of the mine (in Million Cubic metre)	0
(b) Quantity of Topsoil proposed for utilization for reclamation during the entire life of the mine (in Million Cubic metre)	0
(c) Quantity of Topsoil proposed for utilization for other activities during the entire life of the mine (in Million Cubic metre)	0

Details of Final Mine Void:	
(a) Area (in Hectare)	0
(b) Depth (in meter)	0
(c) Volume (in Million Cubic meter)	0

Details of Quarry:	
(a) Final Void of 0 (hectare) at a Depth of 0 meter which is Proposed to be Converted into a Water Body.	
(b) Total Quarry Area (ha)	5.0

Details of Transportation:	
(a) In Pit/Underground to Surface	NA
(b) Surface to Siding/Loading	Truck/Dumper
(c) Transportation / Conveyor Details	Truck/Dumper.

14. Details of Land Usage (Pre-Mining)

S. No.	LAND USE	Other LAND USE	WITHIN ML AREA (Hectare)	OUTSIDE ML AREA (Hectare)	TOTAL (Hectare)
(1.)	AGRICULTURE LAND		0	0	0
(2.)	WASTE LAND		0	0	0
(3.)	SETTLEMENTS		0	0	0
(4.)	OTHERS (Specify)	NA	0	0	0
(5.)	GRAZING LAND		0	0	0
(6.)	FOREST LAND		0	0	0
(7.)	SURFACE WATER BODIES		0	0	0
TOTAL			0	0	0

15. Details of Land Usage (Post-Mining)

S. No.	LAND USE	Other LAND USE	Plantation (ha)	Water Body (ha)	Public Use (ha)	Undisturbed (ha)	Total
(1.)	INTERNAL OB DUMPS		0	0	0		0
(2.)	Other	NA	0	0	0		0
(3.)	EXCAVATION/QUARRY		0	0	0		0
TOTAL			0	0	0	0	0

(4.)	EXTERNAL OB DUMPS		0	0	0		0
(5.)	ROADS		0	0	0		0
(6.)	VIRGIN AREA		0	0	0		0
(7.)	BUILT UP AREA (COLONY/OFFICE)		0	0	0		0
(8.)	TOP SOIL STORAGE		0	0	0		0
(9.)	GREEN BELT		0	0	0		0
TOTAL			0	0	0		0

16. Details of Reclamation:
Total Afforestation Plan shall be Implemented Covering of Mining.
This will Include:

(a) External OB Dump (in hectare)	0
(b) Internal Dump (in hectare)	0
(c) Quarry (in hectare)	5.0
(d) Safety Zone (in hectare)	0
(e) Final Void of 0 (hectare) at a Depth of 0 meter which is Proposed to be Converted into a Water Body.	
(f) Density of Tree Plantation per ha (in no.)	80
(g) Others in ha (such as Excavation Area along ML Boundary, along Roads and Infrastructure, Embankment Area and in Township Located Outside the Lease etc)	0
(h) Total afforestation plant (in hectare)	0

17. Status of progressive Mining Closure Plan:

Details Not Applicable

18. Details of Actual Coal/ ORE Production vis-a-vis Sanctioned Capacity since the Inception:

S. No.	Financial Year	Sanctioned Capacity as per EC (MTPA)	Sanctioned Capacity as per CTO	Sanctioned Capacity as per approved mining plan	Actual Production	Excess Production Beyond the EC / CTO/ Mining Plan Sanctioned Capacity (MTPA)
(1.)	2021	0	0	0	0	0

S. No.	Item	Details
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36. Details of Court Cases:

(a) Whether there is any Court Cases pending against the project and/or land in which the project is proposed to be set up? No

37. Details of Direction Issued under Environment (Protection) Act / Air (Prevention & Control of Pollution) Act / Water (Prevention & Control of Pollution) Act:

(a) Whether any Direction issued under EPA Act/Air Act/Water Act? No

38. Details of EIA Consultant:

(a) Have you hired Consultant for preparing document?	Yes
(i) Accreditation No.	NABET/EIA/2124/RA 0215
(ii) Name of the EIA Consultant	Geogreen Enviro house pvt Ltd
(iii) Address	403 Aimen Apartment, 29 Chandraloke colony, aliganj, Lucknow, 226024
(iv) Mobile No.	9161202020
(v) Landline No.	9161202020
(vi) Email Id	vkm.geo@gmail.com
(vii) Category of Accreditation	B
(viii) Sector of Accreditation	Non-Coal Mining
(ix) Validity of Accreditation	24 Feb 2024
(x) Uploaded Certificate of Accreditation certified by QCI/NABET	Copy of Certificate of Accreditation

39. Documents to be Attached:

(a) Upload Copy of EIA/EMP(Text)	Copy of EIA/EMP(Text)
(b) Upload Copy of EIA/EMP(Annexures) Report	Copy of EIA/EMP(Annexures)
(c) Upload Copy of EIA/EMP(Maps/Plans/Figures only)	Copy of EIA/EMP(Maps/Plans/Figures only)
(b) Uploaded Copy of Risk Assessment Report	Copy of Risk Assessment
(c) Uploaded Copy of Feasibility Report/ Detailed Project Report(DPR) /Detailed Engineering Report /Detailed Conceptual Plan /Approved Mining Plan	Copy of Feasibility Report/ Detailed Project Report(DPR) /Detailed Engineering Report /Detailed Conceptual Plan /Approved Mining Plan
(d) Uploaded Copy of Final Layout Plan	Copy of Final Layout Plan
(e) Uploaded Cover Letter	Copy of Cover Letter
(f) Uploaded Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency	Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency

- (g)Uploaded Copy of District Survey Report
- (h)Uploaded Copy of Replenishment Study Report & Baseline Survey Data
- (i)Uploaded Additional File
- (j)Uploaded Proposal Presentation (To be given in EAC meeting)
- (f)Uploaded Updated Form1

NA
NA
Copy of Additional File
NA
NA

Essential Details Sought

S. No.	EDS Sought Date	EDS Sought	Letter
NO Record			

Additional Details Sought

S. No.	ADS Sought Date	ADS Sought	Letter
NO Record			

Undertaking

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/ construction/ expansion has since been taken up.

Name of Applicant
Designation
Name of Company (Applicant Name should not be given here)
Address

Bishnu Ram Bordoloi
Proprietor
BISHNURAMBORDOLOI
Beldenga Stone Mahal, Village- Modertoli Gaon, P.O, Modertoli, P.S.
Doboka, District- Hojai(Assam)

Print

1. Executive summary:

S. No	Information	Details		
1.	Project Name	Beldenga Stone Mahal, Village- Modertoli,P.S.Doboka District- Hojai, State- Assam.Area – 5.0 Ha		
2.	Project Proponent	Shri Bishnu Ram Bordoloi Add.Village- Jamunamukh Kathkatiagaon P.O. Jamunamukh, District- Nagaon(Assam)		
3.	Location	Points	Latitude (N)	Longitude (E)
		A	26°8'54.28"	92°48'45.75"
		B	26°8'54.74"	92°48'42.99"
		C	26°8'55.15"	92°48'40.51"
		D	26°8'53.68"	92°48'39.73"
		E	26°8'52.40"	92°48'38.73"
		F	26°8'50.52"	92°48'36.89"
		G	26°8'49.02"	92°48'38.93"
		H	26°8'47.74"	92°48'38.99"
		I	26°8'47.02"	92°48'39.35"
		J	26°8'46.14"	92°48'41.72"
		K	26°8'45.47"	92°48'43.55"
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		O	26°8'48.92"	92°48'44.83"
		P	26°8'49.52"	92°48'45.49"
Q	26°8'50.42"	92°48'46.57"		

		R	26°8'51.64"	92°48'46.07"
		S	26°8'52.76"	92°48'45.73"
	Toposheet No.	83B/16.		
	Village	Modertoli		
	Tehsil	Hojai		
	District	Hojai		
	State	Assam		
4.	Name of the Mineral Mined	Quartzite Rock		
5.	Capacity of Production	50,000 Cu.m per year		
6.	Drilling Blasting	Not applicable		
7.	Method of Mining	Opencast Semi mechanized method of mining with drilling and blasting		
8.	Water requirements and source	Water required for the project per day will be around 4.46 KLD (0.8 KLD drinking purpose + 3.6 KLD dust suppression and 0.06 KLD for plantation) of water supply will be from the village through tanker. <i>River water will not be used for any purpose.</i>		
9.	Lease Period	5 Years		

2.0 INTRODUCTION OF THE PROJECT/ BACKGROUND INFORMATION

2.1 Identification of the project and project proponent.

Name of project	: Beldenga Stone Mahal,
Location of Project	: Village- Modertoli,P.S.Doboka District- Hojai, State- Assam.Area – 5.0 Ha
Production	: Total Saleable Quartzite Rock is 50,000 Cu.m per year
ML area	: 5.0 Ha. (Government Land)

Name and address of the project proponent:

Shri Bishnu Ram Bordoloi

Add.Village- Jamunamukh Kathkatiagaon P.O. Jamunamukh, District- Nagaon(Assam)

2.2 Brief description of the nature of project

It has been proposed to extract Quartzite Rock from the mine site. Methods of mining will be open cast manual and semi-mechanized. Mining will be confined to the allotted lease area which lies at Beldenga Stone Mahal, Village- Modertoli, P.S. Doboka District- Hojai, State- Assam. Area – 5.0 Ha from which approximately 50,000 cum per year of Quartzite Rock will be excavated.

2.3 Need of the project and its importance to the country and or region:

Quartzite Rock is used as building material. Its strength and long life makes it suitable for a number of purposes; it had become a major source for various types of construction works.

2.4 Demand supply Gap:

As Quartzite Rock is used as raw building material construction of buildings, dams, bridges, tunnels and roads., the demand of Quartzite Rock is increasing day by day. In past, a demand was not too much but at this time by increasing demands of it, we have to increase the production of Quartzite Rock. At present, the demand is more than the supply.

2.5 Imports vs indigenous production

There will be no import for the project. There will be indigenous inputs in the entire mining activity.

2.6 Export Possibility:

In Nagaon district of Assam, various Quartzite Rock mines are there. There is abundance of Quartzite Rock buried in the area; it had become a major source. Most of the mineral mined here circulated in nearby areas.

2.7 Domestic / Export Markets:

Only 5- 10% of the total production is used locally. Remaining 90-95% of the production is circulated nearby area. So clearly there is a huge market of Quartzite Rock Deposit in the area.

2.8 Employment Generation (Direct and indirect) Due to project:

Yes, through this project peoples get employment. The project directly generates the employment for the local people and indirectly for the others. Also the marketing of the product generates the employment for peoples. By this project, approximately 32 persons employed directly on project site.

3.0 PROJECT DESCRIPTION:

3.1 Type of project including interlinked and interdependent projects, if any:

No other material is interlinked with this mining work.

3.2 Location of Project (map showing general location, specific location, project boundary & project site layout) with coordinates

The proposed project site is strategically located at located at Beldenga Stone Mahal, Village- Modertoli, P.S. Doboka District- Hojai, State- Assam. Area – 5.0 Ha

Points	Latitude (N)	Longitude (E)
A	26°8'54.28"	92°48'45.75"
B	26°8'54.74"	92°48'42.99"
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R	26°8'51.64"	92°48'46.07"
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3.3 Details of alternate sites considered and the basis of selecting the proposed site, particularly the environment considerations gone into should be highlighted.

Mining of Quartzite Rock is site specific project and it cannot be shifted from one place to another due to availability of mineral resource. The land has been allocated by government for the mining only. Lease area is small consisting 5.0 Ha. All the excavated material has a ready market. No solid waste will be generated. Only top soil if any will be generated during mining activity which will be kept safely on the 7.5m wide strip.

Though the mining area is stony but a green barrier on 7.5m wide strip is to be developed all along the lease boundary. Besides above a 50m length on 7.5m wide strip is also proposed to be planted during the 5 years period. Before the onset of monsoon, during March to May pits for planting will be prepared in advance. Pits will be dug out at a suitable distance. The size of pit will be 0.5m x 0.5m. These pits will be kept open for 10-15 days. Cowden and soil will be added to these pits. Plantation activity on these pits will be started during the monsoon period. Local species will prefer in plantation. The strip plantation is shown in working plan.

3.4 Size or Magnitude of operation:

The proposed capacity of the project will be 50,000 cum per year.

3.5 Project description with process detail:

METHOD OF WORKING:

The mining will be done by open cast semi mechanized method of mining. Stone will be broken using Pick-axes, Hammers, and Crowbars etc. For proper sizing, Quartzite Rock will be further into smaller pieces as per the requirement and will be stacked in the nearby places with the help of tractors, trucks, etc. The method of working is going to be methodical and not endanger to the employee working in the mines.

POSTULATES OF MINING METHODOLOGY-

- The mining shall be started from the surface. The direction of advance shall be in all direction as shown in the plate no. 3.
- Since the deposit is almost Horizontal, the over burden removal & production may take place simultaneously.

- For the optimum utilization of the mineral available in the lease area, mine working has been planned and scientific layout has been designed considering the following parameters: A clear gap of 7.5 meter is provided along with the lease boundary as required under MMR 1961.
- Top soil/ overburden will be removed initially & stack separately. Top soil/overburden will be store on 7.5 meter wide patty around lease area (plate no. 3).
- The Bench height will be 6m & bench width more than the height.
- The approach road will be repaired as when required.
- The quarry planning, slope, height, width and length of the benches are planned on the basis of deposit. Since the deposit is very simple, shallow and beds are horizontal, the simple Semi mechanized mining is most suitable.
- Simultaneous plantation will also be done along the lease boundary.
- The OB removal & production of mineral for the five years has been mentioned below. This OB will be used for making parapet wall & plantation.
- Overall slope of pit shall be maintaining 45 degree.

Working Depth –

a) As mentioned earlier the mine will be worked semi mechanically and blasting will be done by wagon drill holes (4.5’’ dia.). Initially 3m height sub benches shall be converted 6m high bench. Wagon drill holes will be drilled as below:

Hole depth:	1.5 m.
Spacing:	2.0m-2.5m.
Burden:	1.0m – 1.5m.

This deep hole will be blasted in one round.

b. The blasting will be undertaking by suitable explosives having comparable density, usually 6-8 cartridges of 220mm will be sufficient in one hole of 6m depth.

c. The no. of holes will be distributed in two working benches. As far as possible single row blasting may be preferred & each hole shall be charged with 600-800gm explosive depending

upon the free face available the direction of face advanced and row of drill holes will so proposed that the direction of fly rock material will be expected to fall over the bench.

d. On the basis of past experience of the surrounding area and litology of rocks, the powder factor is expected to be 5.50 tonnes/kg of explosive.300 gm of explosive per hole will be required to reach 5.50 tonnes/kg of powder factor.

e. Initially it is proposed to install of magazine of capacity about 50 Kg of high explosive along with the Accessories is expected to serve the purpose.

f. The lease will install 50 Kg magazine & 250 detonators with the due permission of chief controller of explosives.

- The mining shall be done by the semi-mechanized occasional blasting will be done under the supervision of a skilled and trained blaster. Blasting if required it will be done by with the permission of controller, Explosive Assam. No objection certificate will be obtained from District Magistrate.
- Drill will be done with jack hammers, supplied with compressed air compressor mounted on a tractor. Drill holes will be of 0.5m to 1.5m in depth, as per requirement. Drill holes shall be 30mm in diameter at spacing of 1m, in single or double rows.
- Blasting will be done following all precautions as per provision of Mines act/ rules/ regulations, ensuring that:
 - Bench height will be maintained at 6m.
 - Noise from blasting remains below 90db.
 - Air pollution is kept minimal.
 - Blasted rocks do not be done during the morning and night hours as there are chances of inversion in atmosphere.
 - Secondary strictly avoided.

3.6 Raw material required along with estimated quantity, likely source, marketing area, of final products, mode of transport of raw material and finished product.

No raw material is required during the mining process.

3.7 Resource optimization/recycling and reuse envisaged in the project, if any, should be briefly outlined.

Not applicable

3.8 Availability of Water, its source, energy/power requirement and source.

Water requirement

Total water requirement in the mine will be about 4.46 KLD for drinking & domestic use, dust suppression and plantation. Drinking water will be brought by water tanker from nearby village.

Energy power source

Solar panel will be used for site office.

Quantity of waste to be generated (liquid or solid) and scheme for their management / disposal.

Site is well exposed with the minerals. No overburden is seen on the site. However, small amount of solid wastes i.e. pouch, food left-overs etc may be generated which will be contained by providing dustbins.

3.8.1 Generation of waste water

There is no waste water generation during the process.

4.0 SITE ANALYSIS

(i) Connectivity:

Villages/Town:

- Changmazi Mikir Pather at 3.02 km towards West direction.
- Jamunamukh at a distance of 8.05 Km towards South-West direction from mine site.

Road:

NH,27 at a distance of 1.0 KM towards South direction from mine site.

Railway Station:

Jamunamukh Railway Station – 8.5,KM, SW

Airport:

- Tezpur Airport, which is at a distance of 62.35km towards North direction.

(ii) Land form, land use and land ownership

Land form & land use: The existing landuse of the project area comprises mainly scrub vegetation on waste land. At present the land ownership lies with the Government of Assam however, the LoI has been issued in favour of Shri Bishnu Ram Bordoloi a for mining purpose.

Land ownership: The Letter of intent has been granted in favour of Shri Bishnu Ram Bordoloi

Add.Village- Jamunamukh Kathkatiagaon P.O. Jamunamukh, District- Nagaon(Assam)District: Hamirpur, U.P.

(iii) Topography Along With Maps:

This is small mining area comprising only 5.0 ha land. The lease area is located on a hill where mining of this type is already going on. Physiographical, the maximum and minimum elevation of the area is 185mRL and 242mRL respectively. The slope of the area is towards South direction. The surrounding area consists of any thick vegetation except for patched agricultural lands.

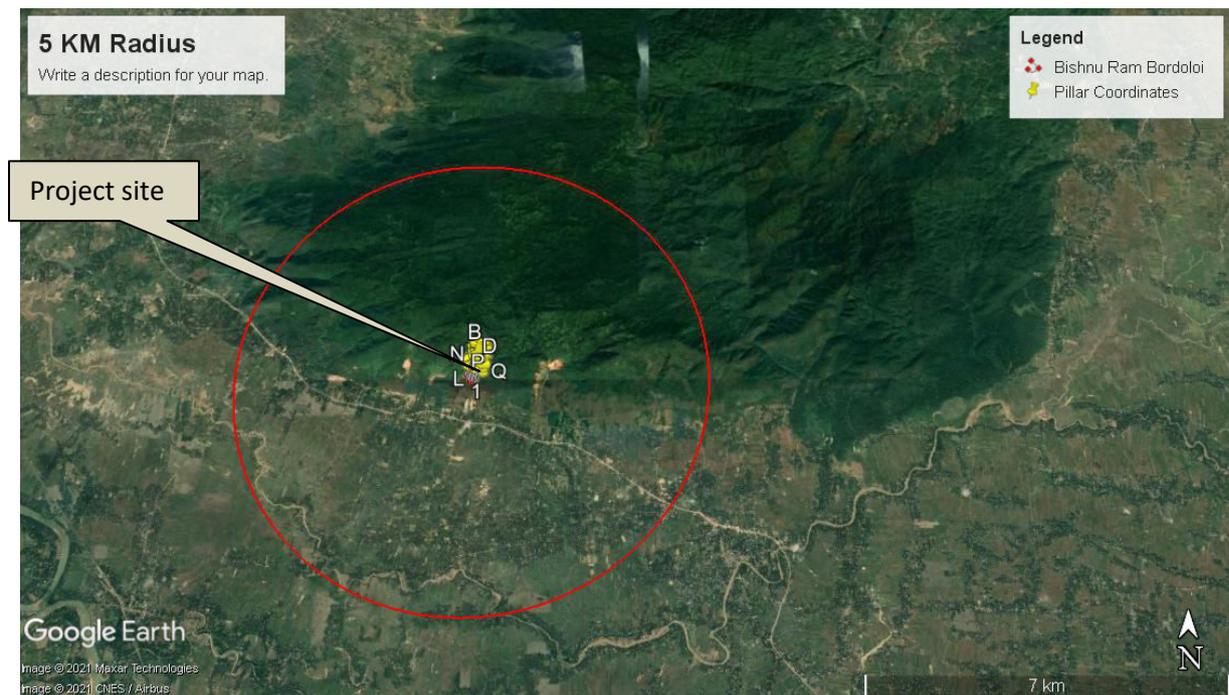


Fig.-5.0 km Radius around Project site

GEOLOGY:

Nagaon district is situated in the central portion of Assam State and is represented by a vast plain with small hills on northern, southern and eastern part. Nagaon is the district headquarter of the district. Geologically the district is underlain by rocks of Precambrian age consisting of granites and gneisses, rocks belonging to Barail and Surma series of Tertiary age and Quaternary alluvium. Since the Archaean and Precambrian granites and gneisses form the basement or are found as inselbergs projecting out the plains alluvial stretch.

Geological Succession of the Formation in Nagaon District, Assam

Age		Group	Formation	Description of Litho units
Quaternary	Recent		Khadar-newer alluvium	Clay, sand, slit etc.
	Unconformity			
	Pleistocene		Bhanger- Older alluvium	Clay, coarse sand, gravel & boulder.
Unconformity				
Tertiary	Pliocene	Dihing	Dihing	Pebble bed, sandy clay,

Geologically the district is underlain by rocks of Precambrian age consisting of granites and gneisses, rocks belonging to Barail and Surma series of Tertiary age and Quaternary alluvium. Since the Archaean and Precambrian granites and gneisses form the basement or are found as inselbergs projecting out the plains alluvial stretch. They are not of much significance from ground water point of view. The younger Tertiary formations are found confined to Lumding, Lanka and Hojai areas and in the east and north east. The rocks comprise massive and compact sandstones and shales. The district is occupied by Consolidated Formations belonging to Pre-Cambrian

Groups of rocks, Semi-consolidated Formations of Tertiary age and overlain by Unconsolidated Alluvial sediments of Quaternary age. The Pre-Cambrian rocks occupy about 3 % and the semi-consolidated Tertiary Group is an about 5 % of the TGA of the district. The Unconsolidated Alluvial sediments occupy about 90% of the total area and dominant in the District

REGIONAL GEOLOGY:

The area is dominated by Quartzite Rock, etc.

(v). Existing infrastructure:

Villages/Town:

Changmazi Mikir Pather at 3.02 km towards West direction..

Road:

Nearest highway NH,27 is About 1.0 Km in South direction.

Railway Station:

Jamunamukh Railway Station which about 8.5 Km towards South West direction.

Airport:

Tezpur Airport, which is at a distance of 62.35km towards North direction.

Temple/Mosque:

Modertoli Komola Mandir at a distance of 0.95 Km towards South East direction from mine site.

Hospital:

Old Dabuka CHC is at a distance of 6.65 km towards South-East direction.

School:

Bhelowguri adarsha Bidya Niketan is at a distance of 1.75 km towards South West direction.

(vi). Climate data:

The area experiences hot sub tropical humid climate. A hot and humid pre-monsoon from March to mid May, a prolonged southwest monsoon or rainy season from mid May to September, a pleasant post-monsoon or retreating monsoon from October to November and a cold pleasant winter from December to February are the characteristics of the general climate. Summer runs concurrently with the later part of the pre-monsoon season and continues throughout the monsoon sea

(viii). Social infrastructure Available

Existing:

The project site is located in the Village- Modertoli, District- Hojai, Assam. The primary school is in the village, high school and colleges are present in Nagaon.

4 PLANNING BRIEF

Planning Concept Open cast semi mechanized mining method will be adopted for stone mining. It will be transported on Dumpers to nearby market and suppliers.

Population Projection: The project will employ most of the workers from nearby villages except for supervisory staff. Thus, there will no increase in population due to the project. However, few people from other areas may migrate in this area for employment and business opportunities.

4.1 Land Use Planning:

Total land requirement for the project is 5.0 Ha. Opencast mining activities may alter the landscape of the lease area and also cause some disturbance to the surface features of the surrounding areas. Greenbelt is along the mine lease periphery.

As the mineral is non-replenishable, the excavated area at the end of mine life will be converted into an open benched pit which will be used as water collecting pond. The measures to be taken

are likely to bring forth positive impact on the core zone landscape. The aesthetic environment of the core zone will have a positive impact by the time mining ceases in the area with proposed green belt development

Assessment of infrastructure demand (physical & Social): The infrastructure was assessed in the nearby villages on the basis of need and priority. Health and education infrastructure require improvement.

Amenities / Facilities provided: Proper site services such as First Aid, Canteen / Rest Shelter, Drinking Water, etc. will be provided to the workers.

Various facilities to be provided during construction and operation of the project are as follows:

1. Electricity shall be provided by installation of solar panels.
2. Drinking water will be provided to the workers by Tankers during operation.
3. To provide the first aid for any sort of injuries encountered during the mining operation, one small first aid room shall be provided. First aid kit and sufficient stock of material / medicines needed for first aid shall be provided as per requirement.
4. In future if women workers are employed, arrangement for a small crèche shall be made as per the requirement.
5. Necessary arrangement shall be made for conducting refresher course as laid down in vocational training rules to upgrade skills of the persons involved in the project.

6.0 PROPOSED INFRASTRUCTURE

S.N.	PARTICULARS	DETAILS
6.1	Mining Area	5.0
6.2	Residential Area	Not Applicable
6.3	Connectivity	<p><u>Road:</u></p> <p>➤ NH-27 – 1.0 Km, South</p> <p><u>Railway Station:</u></p> <p>➤ Jamunamukh Railway Station which about 8.5 Km towards SouthWest direction.</p>
6.4	Green Belt	80 saplings per year will be planted which

		includes trees species like Neem, Sal Makai Nageshwara Tiachapa Sonaru Shurbes like Munj, Dhatura, Kaner along the approach road
6.5	Social	Social infrastructure will be provided as per the need of locals.
6.6	Water management	Total water requirement will be 4.46 KLD. Which will be met available through water tanker supply from nearby village
6.7	Sewage management	Not applicable
6.8	Industrial Waste Management	Not Applicable
6.9	Solid Waste management	Negligible waste will be generated which will
6.10	Power Requirement	Not required.

7.0 REHABILITATION & RESETTLEMENT PLAN

There is no human settlement within the applied area. No human settlement will be disturbed due to the mining activity. So, no rehabilitation and Resettlement is proposed.

8.0 PROJECT SCHEDULE & COST ESTIMATES

The proposed project will continue to be operated after getting the Environmental Clearance from SEAC.

Project Cost Estimation:

S.N.	DETAILS	NUMBER	RATE in Rs.	TOTAL in Rs.
1	Labors for 250 Days	32	280	2240000
2	JCB/Loader with prior permission from concerned authorities	1	3500/Day	945000
3	Temporary Site office	-	-	40000
4	Oil & Lubricant		350/Day	94500
5	Other tools & Equipments	-	-	40000

6	Environment management plan	-	-	600000
Total				39,59,500

Project Cost = Rs. 39.595Lakhs

9.0 ANALYSIS OF PROPOSAL (FINAL RECOMMENDATION)

- Project will create direct & indirect employment opportunities within the surrounding region. Unit will use good faith efforts to employ local people from the nearby villages depending upon the availability of skilled & un-skilled man-power surrounding the project site.
- In the proposed project would require significant workforce of non-technical and technical persons. Migration of highly education and skilled experience will result in increase of literacy in the surrounding villages.
- In addition, the proposed project shall enhance the prospects of employment.
- Assessment of the potential socioeconomic benefits during mining focused primarily on work force requirements, acquisition of supplies, and the temporary increased demand for services related to the mining project like food, housing, communications, law enforcement, medical care, local transportation etc. Due to these, additional revenue to local suppliers for required products and services related to the construction and operation phases of the project will generate.
- Thus, mining activities will provide numerous new, although temporary, work opportunities for both skilled and unskilled labor, as well as contribute significantly to the local economy.
- Additional government revenue expected from royalty, taxes, duties and other fees.
- An added benefit to the proposed project will result in considerable growth of stimulating the industrial and commercial activities in the state. Small and medium scale industries may be further developed as a consequence.



খনিজ সম্পদ
অন্বেষণ

GOVERNMENT OF ASSAM
DIRECTORATE OF GEOLOGY AND MINING
BHU-BIGYAN BHAWAN
DAKHINGAON,KAHILIPARA,GUWAHATI-19
Email: dgmassam@gmail.com
dgm.assam@gov.in

No. GM/MM/86-B (40)/ Dtd.Guwahati,the Dec., 2021.

From : - Sri Ananda Kumar Das,ACS,
Director,
Directorate of Geology & Mining, Assam,
Kahilipara, Guwahati-19.

To : - The Divisional Forest Officer,
Nagaon Division, Nagaon.

Sub : - Approval of Mining Plan alongwith progressive Mine Closure Plan
In respect of **Beldenga Stone Mahal Mining Permit Area (Mahal area
5.0 hec. and approach road-0.098 hec.)** in Hojai Dist. of Assam State
submitted under Rule 51 & 52 of Assam Minor Mineral Concession Rules,
2013. **GPS Location** are :

- | | |
|--------------------------------|---------------------------------|
| 1) 26°8'54.28"N-92°48'45.75" E | 10) 26°8'46.14"N-92°48'41.72" E |
| 2) 26°8'54.74"N-92°48'42.99" E | 11) 26°8'45.47"N-92°48'43.55" E |
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| | 19) 26°8'52.76"N-92°48'45.73" E |

Ref :- Your letter No FNGT/B/Beldenga Stone Mahal/2021/4890-91
dtd. 25/10/2021

Sir,

In exercise of the power conferred under under Rule 51 & 52 of Assam Minor Mineral Concession Rules,2013, I hereby approved the aforesaid Mining Plan (including Progressive Mine Closure Plan) prepared by **R.Q.P. Abhijit Bora**. This approval is subjected to the following conditions :

- 1) The Mining Plan alongwith Progressive Mine Closure Plan is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority and without prejudice to any order or direction from any court of competent jurisdiction.
- 2) The proposals shown on the plates and/or given in the document is based on the lease map/sketch submitted by the lessee and is applicable from the date of approval.
- 3) It is clarified that the approval of aforesaid Mining Plan along with Progressive Mine Closure Plan does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Act,1957 or the Minerals (Other than Atomic & Hydro Carbon Energy Minerals) Concession Rules,2016 and any other laws including Forest (Conservation) Act,1980, Environment (Protection) Act,1986 or the rules made there under Mines Act,1952 and Rule & Regulation made there under.
- 4) Directorate of Geology & Mining, Assam has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the precise area as furnished by the lessee.