

**GOVERNMENT OF ANDHRA PRADESH
DEPARTMENT OF MINES AND GEOLOGY**

From
Sri K.L.V Prasad, M.Sc., M.Tech.,
Deputy Director of Mines & Geology,
CHITTOOR.

To
M/s.Sri Vasista Mining,
Mg.Ptnr:Sri B.S.Nithin Kumar Reddy,
8-2-350, Banjara Hills Road,
No.3, Hyderabad-500034.

Lr.No.2585/MP/BG/CTR/2021, dt: 06.10.2021

Sir,

Sub: Mines & Minerals - Application of Mining Plan filed by M/s.Sri Vasista Mining, Mg.Ptnr:Sri B.S.Nithin Kumar Reddy for Black Granite over an extent of 4.960 Hectares in Compartment No.200 of Bodabanda RF, Chittoor West Division, Bangarupalyam Mandal in Chittoor District - Approved - Regarding.

- Ref: 1. Memo No.3046/D13-1/2020, dated:09.08.2021 of the Director of Mines and Geology, Ibrahimpatnam.
2. Draft Mining Plan submitted on 07.09.2021 filed by M/s.Sri Vasista Mining, Mg.Ptnr:Sri B.S.Nithin Kumar Reddy.
3. Inspection report submitted by this office Technical Staff.
4. This Office Letter No.2585/MP/BG/CTR/2021, dt:24.09.2021.
5. Letter dated:04.10.2021 along with 5 sets of fair Mining Plan from the applicant/RQP.

In exercise of the powers conferred by the Government of Andhra Pradesh, through the reference 1st cited. I hereby approve the Mining Plan for the period of five (05) years in respect of application for Black Granite over an extent of 4.960 Hectares in Compartment No.200 of Bodabanda RF, Chittoor West Division, Bangarupalyam Mandal in Chittoor District filed by M/s.Sri Vasista Mining, Mg.Ptnr:Sri B.S.Nithin Kumar Reddy under Rule 12 of Granite Conservation Development Rules, 1999. This approval is subject to the following conditions.

1. *This Mining Plan is approved without prejudice to any other laws applicable to the quarry lease from time to time whether such laws are made by the Central Government, State Government or any other authority.*
2. *It is clarified that this approval of the Mining Plan does not in any way imply the approval of the Government in terms of any other provisions of the Mines and Minerals (Development and Regulation) Amendment Act, 2015 and any other laws including the Forest Conservation Act, 1980 and APMMC Rules, 1966.*
3. *It is further clarified that the approval of the mining plan is subject to the provisions of the Forest Conservation Act, 1980 and Forest conservation rules, 2003 and other relevant statues, orders and guidelines as may be applicable to the lease area from time to time.*
4. *This office has not undertaken verification of the quarry lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the lease hold should on the ground with reference to the lease map and other plans furnished by the applicant.*

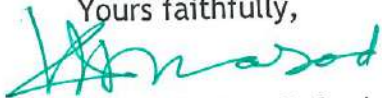
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5. The Q.L. area is as shown on the statutory plans by the applicant is certified by the competent authority with GPS readings of the boundary points of the lease and this office has not under taken the ground truth verification of the quarry lease boundary and pillars on the ground.
6. The approval authority does not owe responsibility with regard to recovery factor of Black Granite and assessment of reserves, any erroneous certification made by the R.Q.P. if any, since the evaluation is done on random basis.
7. The Mining Plan is approved subject to strictly adhering to the relevant Regulations of MMR, 1961 and obtaining prior permission from the Director General Mines Safety whenever and wherever it is required.
8. The applicant/lessee shall safeguard the structures, public buildings, roads, railway line, electric line and water bodies exists if any as per regulations 109 & 127 of MMR, 1961.
9. The approval authority does not owe responsibility with regard to erroneous certification made by the R.Q.P if any and approval is tentative subject to modification of new findings at a later date as per the provisions of Rules inforce, since the evaluation is done on random basis.
10. The proposals contained in the approved Mining Plan shall be applicable from the date of execution of the lease and for the mining activities to be carried out within the lease hold area as per the approved mining plan only.

If anything is found to be concealed as required by the Mines Act in the contents of the approved Mining Plan and the proposal for rectification has not been made or if at later stage the information furnished in the document to be incorrect or misrepresentation of facts, the approval shall be revoked with immediate effect.

NB: This approval become null and void if it found grossly inequitable, made under a mistake of fact, owing to the mis-representation, fraud or in excess of authority. The applicant is not liable to claim any lease held rights till the execution of the lease deed.

Encl: (2 copies of A.M.P.)

Yours faithfully,

Deputy Director of Mines & Geology,
CHITTOOR.

Copy submitted to :

- 1) The Director of Mines & Geology, Ibrahimpatnam for favour of kind information.
- 2) The Regional Controller of Mines, IBM, Sultan Bazar, Hyderabad for information.
- 3) The Director of Mines Safety, Hyderabad for favour of kind information.

Copy to the Asst. Director of Mines & Geology, Chittoor along with A.M.P and if any variations noticed in the A.M.P the same shall be brought to the notice of the Undersigned immediately for taking further necessary action.

MINING PLAN FOR BLACK GRANITE

(Submitted Under Rule (12) of Granite Conservation & Development Rules, 1999)

CATEGORY : FULLY MECHANIZED CATEGORY - A

TYPE OF LAND : RESERVE FOREST LAND

Extent: 4.960 Hects

EXTRACTION OF BLACK GRANITE

COMPARTMENT NO.200, OF BODABANDA R.F., CHITTOOR WEST DIVISION OF YADAMARI
MANDAL, CHITTOOR DISTRICT,
ANDHRA PRADESH STATE.

OF

M/s. SRI VASISTA MINING,

Mg.Partner: **Sri B.S. NITHIN KUMAR REDDY,**

S/o. Sri B.S.Sreenath Reddy,

Sri Vasista Purva, 5th Floor,

#8-2-350, Banjara Hills Road No.3,

HYDERABAD - 500034

Cell No: 9000852266

PREPARED BY

Y. THIMMAIAH,

RQP/GEOLOGIST

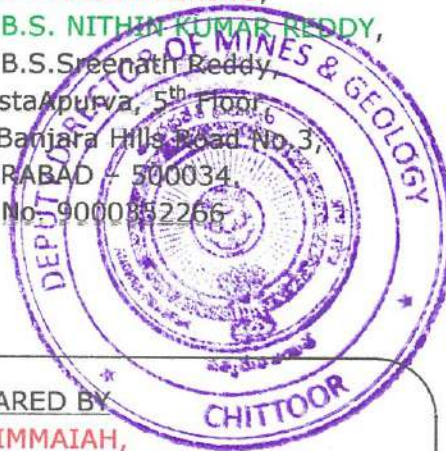
Cell No: 9440053509

(RQP/DMG/AP/11/2020)

61205, Indu Fortune Fields Gardenia,

13th Phase, K.P.H.B. Colony,

HYDERABAD - 500085.




DECLARATION

Certified that the Quarry Lease application is filed for Black Granite, over an extent of 4.96 Hect in Compartment No. 200 of Bodabanda R.F. / Beat, Chittoor West Range and Chittoor West Division, A.P. by our company and the draft mining plan is prepared by the RQP as per the guidelines, issued by the Director of Mines & Geology, Govt. of A.P., according to various provisions under GCD Rule 1999 in full consultation with us and We understood its contents and agree to implement the same in accordance with law.

For M/s Sri Vasista Mining

Date:

Place: Hyderabad


Signature of the Lessee

(B.S.Nithin Kumar Reddy)

Mg. Partner



CERTIFICATE

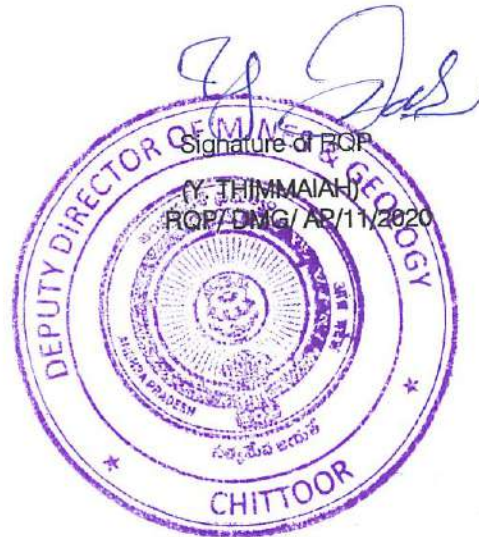
Certified that the provisions of APMMC Rule 1966 & GCD Rule 1999 and the guidelines of the Director of Mines & Geology, Govt. of A.P have been observed in preparation of Mining Plan for applied Quarry Lease Area of Black Granite, over an extent of 4.96 Hect in Compartment No. 200 of Bodabanda R.F. / Beat, Chittoor West Range and Chittoor West Division, A.P. and the applicant has agreed to implement the same.

Certified that the provisions of other Acts & Regulations as applicable are observed in preparation of the mining plan. However if any specific permission is required, the applicant will approach all such authorities including, Forest Department & Director General of Mines Safety.

Certified further that the information furnished in Mining Plan is true and correct to the best of my Knowledge.

Date: 02-10-2021

Place: Hyderabad



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**MINING PLAN FOR APPLIED QUARRY LEASE AREA OF BLACK GRANITE
OVER AN EXTENT OF 4.96 HECT IN COMPARTMENT No. 200 OF BODABANDA R.F. / BEAT
CHITTOOR WEST RANGE AND CHITTOOR WEST DIVISION, A.P.
(Submitted Under Rule (12) of Granite Conservation & Development Rules, 1999)**

INTRODUCTION:

Sri B. S. Nithin Kumar Reddy, Managing Partner of M/s Sri Vasista Mining has applied for grant of quarry lease for Black Granite over an extent of 4.96 Ha (i.e. 4.16 Ha for Mining, 0.75 Ha for Safety Zone and 0.05 Ha for approach road to the quarry Workings) in Compartment No. 200 of Bodabanda R.F. / Beat, Chittoor West Range and Chittoor West Division, A.P (Ref: Annexure-I). The Divisional Forest Officer, Chittoor West Division issued a Letter (Rc. No.146/2020/To, Dt: 10-08-2021 (Ref: Annexure-IA) to submit the approved mining plan from the Competent Authority of Mines & Geology. Hence the mining plan is prepared based on DGPS surveyed sketch, attested by the Divisional Forest Officer, Chittoor West Division. The mining plan is also prepared as per the guide lines furnished in Form- T and it is submitted under Rule (12) of Granite Conservation & Development Rules, 1999.

I GENERAL:

1) Name & Address of the Applicant:

M/s Sri Vasista Mining,
Mg. Partner: Sri B.S. Nithin Kumar Reddy, Cell: 9000352266
Sri Vasista Apurva, 5th Floor,
#8-2-350, Banjara Hills Road No.3,
HYDERABAD-500034

2) Status of the Applicant: Partner Ship Firm

3) Mineral(s) Which is/are included in the letter of Intent: Black Granite

4) Mineral(s) which is the applicant /lessee intends to mine: Black Granite

5) Name and Details of Person employed for preparation Mining Plan

Y.Thimmaiah, Mobile: 9440053509
Address: 61205, Indu Fortune Fields Gardenia,
Phase 13, KPHB, Kukatpally, Hyderabad- 500085,
Reg: No: RQP/ DMG/ AP/11/2020, Valid upto: 6/5/2030



II LOCATION AND ACCESSIBILITY:

1) Applied / Lease area Details:

Compart. No.	R.F / Beat	Range	Division	Extent	Ownership/ occupancy
200	Bodabanda	Chittoor West	Chittoor West	4.96 Ha	Reserved Forest Area, Applied for Quarry Lease.

The Mining Plan / Scheme is Approved subject to the conditions & stipulations indicated in the Mining Plan / Scheme Approved letter
No: 2585/MP/BG/CTR/2021
Date: 06/10/2021

APPROVED

Deputy Director of Mines & Geology
Chittoor.

Geo Coordinates (Datum: WGS-84) for all Boundary Pillars of Applied Q.L.

Sl. No.	Name	Latitude	Longitude
1	M-1	13.17430077	78.97698732
2	M-2	13.17374226	78.97756664
3	M-3	13.17315978	78.97788068
4	M-4	13.17246364	78.97852784
5	M-5	13.17209465	78.97874804
6	M-6	13.17145808	78.97921783
7	M-7	13.17120921	78.97940022
8	M-8	13.17108012	78.97883986
9	M-9	13.17112019	78.97809939
10	M-10	13.17158812	78.97763838
11	M-11	13.17223733	78.97700319
12	M-12	13.17290196	78.97673661
13	M-13	13.17378641	78.97636076
14	SZ-1	13.17418831	78.97695701
15	SZ-2	13.17369011	78.97752102
16	SZ-3	13.17310955	78.97783425
17	SZ-4	13.1720476	78.97869721
18	SZ-5	13.17242551	78.97847016
19	SZ-6	13.17141635	78.9791628
20	SZ-7	13.17125294	78.97928203
21	SZ-8	13.17114823	78.97883399
22	SZ-9	13.17118618	78.9781317
23	SZ-10	13.1716341	78.97768947
24	SZ-11	13.17227521	78.97706114
25	SZ-12	13.17291092	78.97680532
26	SZ-13	13.17375726	78.97646431
27	R	13.17448092	78.97771418
28	R-1	13.17424772	78.9769984
29	RA	13.17452356	78.97768006

2) General Location Map Showing Applied Area and Access Routes:

The DGPS surveyed area is marked on Indian Topo-Sheet No: 57/K/ 16 & O4 and it is enclosed as "Location Cum Key Plan" of Plate-1. The map, showing the applied quarry lease area in Comp .No, 200 of Bodabanda R.F. / Beat, Chittoor West Range and Chittoor West Division for Quarrying is enclosed as Plate-1A. The applied area is also located at a distance of 2.5m from the village of Kummarapalle due SW. Kummarapalle is located at a distance of 2 km from Cheekurupalle, located on N.H-4 between Chittoor & Bangarupalem at a distance of 10 km & 9 km respectively. Bangarupalem is the mandal headquarters, located on N.H-4 at a distance of 19 km from Chittoor town. The applied area can be approached by a B.T. road of 2 km from Cheekurupalle (N.H.-4) up to Kummarapalle. A cart track of 2.5 km length is available from Kummarapalle to the applied area. 84 m length and 6m width of the Forest land (0.05 Ha) has been applied for approach road from revenue land to the Q.L. area. Kummarapalle is the nearest place to the Q.L. area for primary facilities like electricity, primary school, post office and Bus services. Chittoor (14 km) is the district headquarters for other facilities like Market, Higher Education, Hospitals and Railway Station. The nearest airport is located at Thirupati (98km) and the nearest seaport is located at Chennai (160km) from the applied area.

PART – A

1 GENERAL DETAILS OF THE APPLIED QUARRY LEASE AREA /MINING LEASE:

a) Brief description of Topography, Drainage Pattern, Vegetation, Climate, Rainfall Data of the Area:

- i) Topography: The applied Q.L. area is a stony waste land, located in Compartment No. 200 of Bodabanda R.F. / Beat, Chittoor West Range and Chittoor West Division. The proposed quarry lease area and Safety zone belong to hilly terrain. Proposed mining area is elevated in the centre (492m max) on SE side and sloping towards NW directions. The lowest level i.e. 436m (MSL) is located on NW side of the applied Q.L. area. The quarry lease is gradually rising from NW to SE of the area i.e. from 436 m to 492m MSL. There is a maximum relief of 56mts within applied area. Due to Dolerite dyke (Black Granite) intrusion, the mining area rises to a height of 56 mts. Even though, the applied quarry lease area and the proposed approach road belong to R.F, it does not have much vegetation except scattered trees and bushes on the slopes. There are no prominent natural drainage channels within the applied area. But a seasonal watercourse is running in the applied lease on NW side. The surface rain water of the area will joins to the seasonal nalas and the nalas join to local tank, located at 0.5 km from the area on NW side.
- ii) Drainage Pattern: There is no natural drain system in the applied area. But the surface rain water flows through the slopes of the applied area and joins to the nala running in the area on NW sides.
- iii) Vegetation: Because the applied area is located in R.F. the slopes of the area is covered by the vegetation like scrubs, bushes and small trees. All along the centre portion (Peak of the hill) of the applied area is formed by the Dolerite Dyke. Due to Dyke formation, the vegetation is scatter in the centre of the applied area.
- iv) Climate & Rainfall Data: The applied lease area belongs to tropical climate. The annual rainfall of the area varies from 640 mm to 720 mm.

2. GEOLOGY AND EXPLORATION:

a) Brief descriptions of Regional Geology with Reference to Location of Applied Area:

The region of the subject area belongs to Peninsular Gneiss of Archean Group. The Regional area forms a part of granite green stone terrain of eastern part of Dharwar Craton. The green stone rocks are made up of metabasalt with acid volcanic intrusions, exposed as linear belts. These green stone rocks are introduced by granitic rocks of Grey, Brown and Black varieties. In this area the granite terrain comprises banded /streaky gneiss ranging in composition from Tonalite to Granodiorite, Migmatitic Gneiss and Granodiorite Granite with compositional variation between Granodiorite Granite and Alkali Feldspar Granite. Among these varieties of Gneissic Granites and Dolerite Dykes are suitable for dimensional stone industry.

The stratigraphy of the region is given below.

<u>Geological Era</u>	<u>Geological Unit</u>	<u>Rock Type</u>
Proterozoic	Closepet granite and its Equivalents Peninsular Gneiss With older Granites and Migmatites	Granite Variants Migmatites Gneisses and Granites
Archean	Schistose rocks of Greenstone Belts and its equivalents	

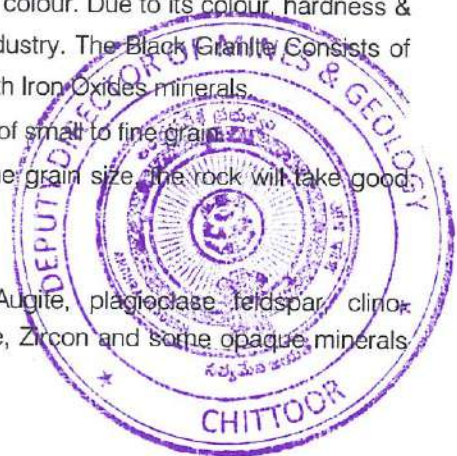
b) Detailed Description of Geology of the Area:

The applied Q.L. area and adjoining lands are mainly consisting of Grey Granite, belongs to Peninsular Gneissic Complex. Most of the surroundings are covered by the Grey Granite and it is exposed as sheet rock. The Dolerite Dyke is intruded along the centre of the applied area in SE-NW direction. The Dyke portion is exposed as boulders and Sheet rock of Dolerite (Black Granite). The periphery of the Dolerite dyke, Grey Granite is exposed as sporadically and most of the slopes of the applied area is covered by the soil and float material of Dolerite boulders. No shear zones or faults are noticed in this area. The Dolerite (Black Granite) dyke is well exposed, over a length of 390 m, to an average width of 42 m along the top of the hill portion to a height of 62m (max).

Soil & Scree: Red soil with float boulders of Black Granite is covering the slopes of the applied area to a thickness of 0.5m to 2.5m as shown on surface Geological Plan & Sections, enclosed as Plate-3 & Plate- 3A.

Dolerite (Black Granite): Hard and compact, Dolerite (Black Granite) is exposed along the top of the hill to a maximum height of 62m between the RLs of 430m to 492 m. The Black Granite is massive, fine grained, hard and compact in nature. It shows dark grey in colour. Due to its colour, hardness & compactness, it is being used for cutting & polishing stone industry. The Black Granite consists of Augite and Plagioclase Feldspar and low quantities of olivine with Iron Oxides minerals.

- i) Texture and Grain size: The rock shows uniform in grain size of small to fine grain.
- ii) Black and aesthetic beauty of the stone: Due to small & fine grain size, the rock will take good polish and gives mirror image after polish the rock.
- iii) Hardness: 6 to 6.5
- iv) Mineralogical composition: Petrologically the rock has Augite, plagioclase feldspar, clinopyroxenes and olivine as major minerals in this rock. Apatite, Zircon and some opaque minerals constitute the minor minerals.
- v) Density/ Specific gravity: 2.75.
- vi) Water absorption Capacity: 0.15% (kg/cm²)
- vii) Porosity: 0.35



viii) Compression Strength: 1969 kg/cm² (in dry state) and tensile strength 96kg/cm². "The value given is based on the Physical tests carried out for different rocks in the laboratories of the Geological Survey of India, and published by the Organisation".

ix) Abrasiveness: 6-5.5

x) Permeability: 0.55%

xi) Rock quality designation: Good RQD% between 75-90

c) Details of Applied Quarry lease holder:

M/s Sri Vasista Mining,
Mg. Partner: Sri B.S. Nithin Kumar Reddy, Cell: 9000352266
Sri Vasista Apurva, 5th Floor,
8-2-350, Banjara Hills Road No.3,
HYDERABAD-500034

d) Details of Prospecting Carried out:

The Black Granite, which is used for cutting & polishing, is exposed to a maximum height of 62 m above the ground in the applied area. It is also seen from the adjacent workings quarries that the Granite available in this region is useful for cutting & polishing industry. So, no separate exploration was carried out in this area.

e) Surface Plan:

The topographical survey of the applied lease area was carried out and the levels are taken with reference to bench mark (435.78m), which is marked on boundary pillar No.M13, located on NW side of the subject area. Based on the levels obtained from topographical survey, the surface plan is prepared by showing the contours at 4m interval. The surface features available in the applied lease are shown on surface plan and the same is enclosed as Plate No-2 on 1:1000 scale.

f) Surface Geological Plan:

The Geological features like the litho-units exposed in the recommended Q.L. area and its structural features are collected from the applied lease area and the same is transferred to the surface geological plan. The plan showing the geological data of the subject area is enclosed as Surface Geological Plan on 1:1000 scale with 4m contour interval and it is numbered as Plate-3.

g) Geological Cross Sections:

Eight Geological Cross Sections (A-A' to H-H') were drawn across the subject area at an interval of 50 m on 1:1000 scale and depicted the lithology obtained from the outcrops of this area and adjacent workings quarries. The geological cross sections are enclosed as Plate-3A.



h) Broadly indicate the future program of exploration for First Five Years: -

It is proved that the Black Granite, which is useful for cutting & polishing industry availability to a thickness of 62 m along the top of the hill in the applied area. So, no separate exploration is proposed for the first five years of the plan period.

i) Reserves and Resources as per UNFC. Detailed Calculation of the reserves shall be stated:

The availability of Black Granite, which is useful for cutting & polishing stone industry, is exposed to a maximum height of 62 m above the ground level between the RLS 430 m – 492 m. So, the rock, which is occurring up to the RL of 430m in this applied area, is considered for proved reserves. The Geological reserves are estimated by cross sectional method by multiplying the cross-sectional area of the Black Granite zone with the influence distance of the sections. Thus the volume of the in-situ rock will be obtained. Due to weathering, joints and factored zones, the total in-situ rock reserves will not be useful for cutting & polishing stone industry. The weathered rock, small boulders / blocks with irregular shape material will be treated as mineral waste. It is expected about 15% to 20% of useful and marketable black granite blocks can be recovered from in-situ reserves. An average recovery percentage of 17.5% is considered for estimation of Black Granite reserves and the remaining 82.5 % is considered for mineral waste. To assess the reserves of saleable B. Granite, the volume of the in-situ B. Granite is multiplied by 17.5%, the recovery percentage of saleable blocks. The reserves calculation of the Black Granite is furnished in the following Table No-5.

Geological Reserves of Black Granite:

Proved Category:

Table No.5

Category	Section	Influence Distance (m)	Sectional Area of B. Granite (m ²)	Volume of In-situ B. Granite (m ³)	Reserves of B. Granite (m ³) @ 17.5%	Generation of Waste (m ³) @ 82.5%
Proved Reserves	A-A'	42.5	585	24863	4351	20512
	B-B'	50	1100	55000	9625	45375
	C-C'	50	1416	70800	12390	58410
	D-D'	50	2296	114800	20090	94710
	E-E'	50	2340	117000	20475	96525
	F-F'	50	2426	121300	21228	100073
	G-G'	50	2262	113100	19793	93308
	H-H'	46.5	1802	83793	14664	69129
			Total	700656	*122615	578041

Geological Reserves of Black Granite = 122615m³

j) **Feasibility Report:**

The Granite, which is used for cutting and polishing industry is exposed to a height of 62m above the ground level and it is covered by thin layer of boulders and weathered material. The rock will be excavated by opencast method from this area and it will be supplied to the cutting and polishing industries, which are located close to the subject area. The cutting and polishing units will help to cut the granite blocks into slabs and monuments. The slabs and monuments will be polished and the same will be supplied to the consumers, located in and outside the country. The rock is hard in nature and the primary blocks will be separated with the help of wire-saw cutting machine from mother rock and then the primary blocks will be cut into secondary blocks with the help of jackhammer drilling and wedge cutting. The waste generates from cutting of the blocks will be separated and it will be stocked in proposed dump yard and the saleable granite blocks will be supplied to the market. EC clearance and CFO & CFE will be obtained from MoEF & PCB respectively after getting the stage-1 proposals from the forest department. The subject area is well connected by Roads and Railway lines. All types of modern communication system are available nearby the area.

Financial analysis per economic viability of the deposit:

The expected production cost per cubic meter of black granite production is detailed below:

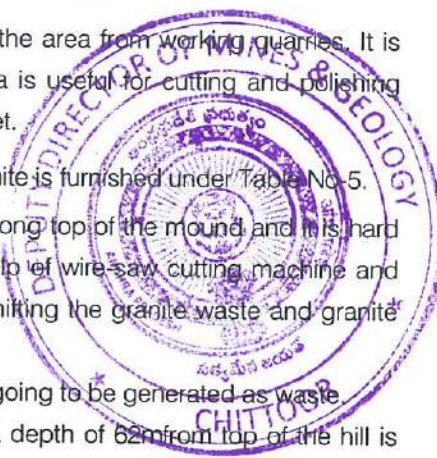
Heads	Cost in Rs per m ³
Mining	12000/-
Wages	3000/-
Depreciation	50/-
Interest	50/-
Royalty	4000/-
Miscellaneous	100/-
Overhead cost	100/-
Total	19300/-

The above cost is a very approximate, whereas due to the market condition the above shown cost may vary accordingly. The granite of this area is used for sale and there is good market available for black granite in and around A.P. There is no problem for marketing of black granite.

Economic Axis: The mineral occurrence is seen in and around the area from working quarries. It is also proved from adjacent quarries that the granite of this area is useful for cutting and polishing industries. So, the mining is economically viable in present market.

K) **Mineral Reserves:** The geological reserves estimation of the Granite is furnished under Table No-5.

- Mode of mining: Because, the Granite of this area is exposed along top of the mound and it is hard in nature, it will be excavated by open cast method with the help of wire-saw cutting machine and jackhammer drilling. An excavator & dumpers will be used for shifting the granite waste and granite blocks from working face.
- The adjacent quarry workings reveal that about 82.5% the ROM is going to be generated as waste.
- Cut of Grade and ultimate pit depth: The Granite available to a depth of 62m from top of the hill is useful for cutting & polishing industry.



Non-Mineable Resources: Part of the geological reserves, estimated under table no-5 on page-6 will be blocked under benches formation. The non-mineable reserves, blocking under bench formation are estimated by cross sectional methods as furnished in the following tables -6 A.

Proved Reserves blocking under Safe Benches: **Table-6**

Category	Section	Influence Distance (m)	Sectional Area of B. Granite (m ²)	Volume of In-situ B. Granite (m ³)	Reserves of B. Granite (m ³) @ 17.5%	Generation of Waste (m ³) @ 82.5%
Proved Reserves	A-A'	42.5	0	0	0	0
	B-B'	50	26	1300	228	1073
	C-C'	50	0	0	0	0
	D-D'	50	0	0	0	0
	E-E'	50	0	0	0	0
	F-F'	50	0	0	0	0
	G-G'	50	0	0	0	0
	H-H'	46.5	220	10230	1790	8440
			Total	11530	2018	9512

Black Granite Reserves blocking under benches=2018m³

Mineable Reserves of Black Granite:

Geological Res. -Blocking Res.: 122615m³-2018m³=120597m³

UNFC Classification of Reserves & Resources estimation: **Table-7**

Classification	Code	Quantity of Black Granite(m ³)	
Total Mineral Resources (A+B)		122615	
A. Mineral Reserves			
1. Proved Mineable Reserves	111	120597	
2. Probable Mineable Reserves	121&122	000000	
		120597	
B. Remaining Resources			
1. Feasibility Resources	211	2018(Non-Mineable)	
2. Prefeasibility Mineral Resources	221&222	---	
3. Measured Mineral Resources	331	---	
4. Indicated Mineral Resources	332	----	
5. Inferred Mineral Resources	333	----	
6. Possible Resources	334	----	

Life of the Quarry:

Based on Black Granite reserves available in the area and the present market demand for B. Granite, is proposed to raise about 6000 cubic metres per year on an average. At this rate of production the expected life of the quarry is: (120597m³/6000 m³) 20 Years.



3. MINING:

A. Open Cast Mining:

i) Briefly Describe the Proposed Method for Excavation with all Design Parameters indicating on plans / sections :

The Black Granite which is useful for cutting & polishing industry is exposed along the top of the hill. So, the mining activity will be carried out by opencast benching method. The weathered boulders mixed with soil will be removed with the help of excavator from the surface to a thickness of about 2m and the waste will be transported to the proposed dump yard by the dumpers. Sometimes the weathered rock from working face will be removed with the help of jackhammer drilling blasting. After removal of the boulders and weathered material from the surface the granite production will be obtained by excavating three benches of 6m height (max) each. To cut the primary granite blocks from mother rock, wire-saw cutting machine will be used. The primary blocks will be separated from mother rock and it will cut into secondary blocks with the help of wedge cutting. While cutting the blocks about 82.5% (on average) of the material is going to be generated as solid waste, which consists of shapeless and defected material. During first five years, it is proposed to raise about 30,000 cubic metres of black granite blocks at the rate of 6000 cubic metres per year on an average. To achieve the target production, about 1.17Ha of area will be excavated during first five years plan period. The excavations will be carried out in three benches of 6m height each for production. After recovered the saleable granite blocks from ROM, the shapeless and defected material is treated as mineral (solid) waste. In every year about 28284 cubic metres of granite waste i.e. about 141420 cubic metres of waste will be generated in first five years.

ii) Processing (If required):

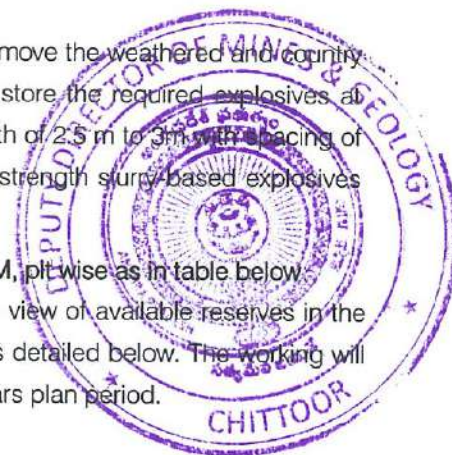
No processing of the granite blocks will be carried out in the lease area.

iii) Drilling & Blasting:

Drilling and blasting is required for development workings and to remove the weathered and country rock. So, the applicant is advised to get the explosive license to store the required explosives at quarry site. The blast holes will be drilled with jackhammer to a depth of 2.5 m to 3m with spacing of 1 m and burden of 1.5m. Each drill hole will be charged with low strength slurry-based explosives and ANFO of 1kgs.

iv) Indicate year-wise tentative Excavation indicating development, ROM, pit wise as in table below

Based on present market demand for black granite and keeping in view of available reserves in the area, it is proposed to raise 6000m³ per year in 240 working days as detailed below. The working will be carried from single pit, from SE to NW direction during 1st five years plan period.



Year Wise Development & Granite Production for 1st five Years:

Table-9

Year	Bench No. & Its FRLS	Working Area (m ²)	Bench Height (m)	Volume (m ³)	Production of B. Granite @17.5% (m ³)	Mineral Waste @ 82.5% (m ³)
1 st Year	GL-484	1400	3	4200	735	3465
	1) 484-478	2354	6	14124	2472	11652
	2) 478-472	1640	6	9840	1722	8118
	3) 472-466	1020	6	6120	1071	5049
	Total			34284	6000	28284
2 nd Year	1) 478-472	2404	6	14424	2524	11900
	2) 472-466	1898	6	11388	1993	9395
	3) 466-460	1412	6	8472	1483	6989
	Total			34284	6000	28284
3 rd Year	1) 484-478	2340	6	14040	2457	11583
	2) 478-472	1894	6	11364	1989	9375
	3) 472-466	1480	6	8880	1554	7326
	Total			34284	6000	28284
4 th Year	1) 472-466	2310	6	13860	2426	11435
	2) 466-460	1900	6	11400	1995	9405
	3) 460-454	1504	6	9024	1579	7445
	Total			34284	6000	28284
5 th Year	1) 466-460	2300	6	13800	2415	11385
	2) 460-454	1910	6	11460	2006	9455
	3) 454-448	1504	6	9024	1579	7445
	Total			34284	6000	28284
	G. Total				30000	141420
	Average				6000	28284

iii) Dump Management:

The proposed mining area is consisting of weathered material, boulders mixed with soil. So, this waste material will be separated from the surface. During this plan period about 141420 m³ of waste will be generated from five years production @ 82.5%. The year wise waste generation particulars are furnished under table-9. It is proposed to stack the waste on eastern & Western sides of the workings, over an extent of 10100m² to a height of 15 to 18m @ 2020m³ per each year. The granite blocks will be supplied to the cutting & polishing units, which are located in and around A.P. State.

iv) Layout of mine workings, pits & Roads:Mine Layout for Year-Wise Development for First Five Years Period:

The Granite, which is useful for cutting and polishing stone industries, is exposed to the surface with thin layer of overburden consisting of boulders mixed with soil and weathered material. So, the development will be carried out in overburden on the surface of the area during first five years. The waste granite, generates along with granite blocks will be separated and it will be stocked in proposed dump yard. In every year, the overburden will be removed to a thickness of about 2m before going for granite production from the surface. The excavations will be carried out from the surface with the help of jackhammer drilling and blasting and the blasted waste will be excavated

with the help of excavator. The waste material will be loaded into dumpers and the same will be transported to the proposed dump yard. Due to quarry excavations about 1.17 Ha will be degraded into working pit by the end of first five years. An approach road will be formed to the bottom of the working pit from NE corner. From five years excavation about 141204 m³ of granite waste and 30000 m³ of granite blocks will be generated as detailed under table -9.

Year wise waste generation particulars are summarised below.

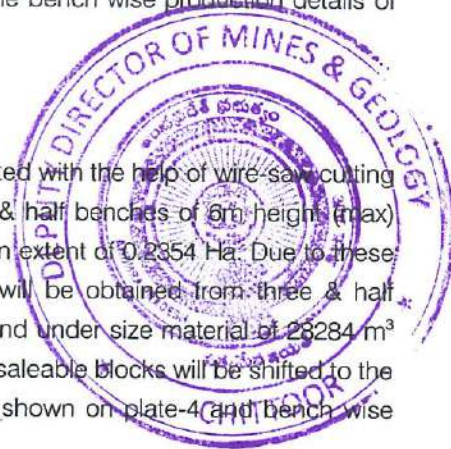
Year	Granite Waste Generation (m ³)	Proposed Dumping Area (m ²)
1 st Year	28284	2020
2 nd Year	28284	2020
3 rd Year	28284	2020
4 th Year	28284	2020
5 th Year	28284	2020
Total	141420	1010

v) Mine Layout for year-wise Production for First Five Years:

It is proposed to raise about 6000 cubic metres of Black Granite blocks per year during first five years plan period on an average. In each year, it is proposed to excavate the raw material in three benches of 6 m height each after removal of overburden to a thickness of 2m from the surface. The workings will be started from centre of the area, after leaving 7.5 m safety barrier from boundary line. The mother rock will be cut into primary blocks with the help of wire-saw cutting machine and line driller. The un-defected primary blocks will be split into secondary blocks with the help of jackhammer drilling and wedge cutting. While cutting the primary blocks into secondary blocks, the defected & shapeless material will be generated. This material is treated as granite waste. From second year onwards, the working benches of first year pit will be advanced towards SE & NW. Year wise working areas are shown on plan and section of plate-4. The bench wise production details of each year are given in Table-9 on page-10.

Black Granite Production:

First Year Workings: In this year, the Granite block will be excavated with the help of wire-saw cutting machine and line driller from centre of the subject area in three & half benches of 6m height (max) each between the RLS of 484-478, 478-472 & 472-466 m, over an extent of 0.2354 Ha. Due to these quarry excavations about 6000 m³ of saleable granite blocks will be obtained from three & half benches. The saleable blocks will be separated from defected and under size material of 28284 m³ and then the waste rock will be shifted to the dump yard and the saleable blocks will be shifted to the granite industries. The proposed workings and dump yard are shown on plate-4 and bench wise production details are furnished under table-9.



Second Year: In this year, the Granite production will be obtained by advancing the three production benches of previous workings towards SE between the RLS of 478-472, 472-466 & 466-460 m, over an extent of 0.2404 Ha. Due to these quarry excavations about 6000 m³ of saleable granite blocks will be obtained from three benches. The saleable blocks will be separated from defected and under size material of 28284 m³ and then the waste rock will be shifted to the dump yard and the saleable blocks will be shifted to the granite industries. The proposed workings and dump yard are shown on plate-4 and bench wise production details are furnished under table-9.

Third Year: In this year, the Granite production will be obtained by advancing the three production benches of first year workings towards NW over an extent of 0.2340Ha in between the RLS of 484-478, 478-472 & 472-466 m. Due to these quarry excavations about 6000 m³ of saleable granite blocks will be obtained from three benches. The saleable blocks will be separated from defected and under size material of 28284 m³ and then the waste rock will be shifted to the dump yard and the saleable blocks will be shifted to the granite industries. The proposed workings and dump yard are shown on plate-4 and bench wise production details are furnished under table-9.

Fourth Year: In this year, the Granite production will be obtained by advancing the three production benches of third year workings towards NW over an extent of 0.2310 Ha in between the RLS of 472-466, 466-460 & 460-454 m. Due to these quarry excavations about 6000 m³ of saleable granite blocks will be obtained from three benches. The saleable blocks will be separated from defected and under size material of 28284 m³ and then the waste rock will be shifted to the dump yard and the saleable blocks will be shifted to the granite industries. The proposed workings and dump yard are shown on plate-4 and bench wise production details are furnished under table-9.

Fifth Year: In this year, the Granite production will be obtained by advancing the three production benches of fourth year workings towards NW over an extent of 0.2300 Ha in between the RLS of 466-460, 460-454 & 454-448 m. Due to these quarry excavations about 6000 m³ of saleable granite blocks will be obtained from three benches. The saleable blocks will be separated from defected and under size material of 28284 m³ and then the waste rock will be shifted to the dump yard and the saleable blocks will be shifted to the granite industries. The proposed workings and dump yard are shown on plate-4 and bench wise production details are furnished under table-9.

Haulage and Transport of Granite Blocks & Waste:

The excavated waste material will be loaded into dumper with the help of excavator. The loaded material will be transported to the proposed dump yard, located on eastern & western sides of the proposed workings. The granite blocks will be loaded into hired trucks and the same will be transported to the granite industries. To achieve the target production, the following machinery is used in the lease area.



The following machinery is required to get the target production:

Machinery	Quantity	Description
Excavator	2 No	Tata Hitachi-300Lc
Loader /JCB	1 No	4t Capacity
Dumpers	4Nos	20 t capacity
Compressor	2 No	120 cfm
Line Drill Machine	1 No	10mm Pneumatic Drill
Wire- saw cutter	1 No	60 HP
Jackhammers	8 Nos	RH 658

4. MINE DRAINAGE:

- Minimum & Maximum depth of Water: The bore well drilled in adjacent fields at foot hills shows the groundwater table availability at a depth of more than 60m in rainy seasons.
- Maximum & Minimum depth of workings: The workings will go to a maximum depth of 18m from top of the hill, which is raining to a height of 62 m from ground level.
- Quantity and Quality of Water: Since the mine workings are restricted to 18m from top of the hill during this plan period. No surface or ground water is going to be accumulated in working pit.
- Regional Drainage Pattern: The subject area belongs to hilly terrain and there is no specific drainage pattern in the subject area. There is a seasonal nala flowing on NW side of the applied area. The surface rain water of this area flows through the slopes and joins to this seasonal nala.

5. STOCKING OF MINERAL RESIDUES / SUB GRADE MATERIAL AND DISPOSAL OF WASTE:

5.1 Nature of waste and its rate of yearly generation:

Due to granite quarry workings, the waste consisting of weathered material, under size and shapeless boulders mixed with soil will be generated. Apart from this overburden, the defected granite waste also will be generated. The year wise waste generation particulars for first five years of the plan period and its dumping particulars are furnished in the following table.

Particulars of year wise waste generation and its dumping area are furnished below.

Year	Granite Waste Generation (m ³)	Proposed Dumping Area (m ²)
1 st Year	28284	2020
2 nd Year	28284	2020
3 rd Year	28284	2020
4 th Year	28284	2020
5 th Year	28284	2020
Total	141420	10100

5.2 Selection of Dumping Site:

The waste rock of 141420 m³ consisting of weathered, Shapeless material and small boulders mixed with soil will be generated in this plan period. The total waste of 141420 m³ it will be stocked over an extent of 10100 m² on eastern & western sides of area to a height of 15 to 18m as shown on plate-4.



5.3 Method of Dumping and Maximum Height and Spread of Dumping:

The waste rock mixed with soil and the granite waste will be stocked over an extent of 10100 m² and to a height of 15 to 18m. The proposed waste dump yard is shown on plate-4.

5.4 Precautions for Confinement of Dumps to Prevent Pollution of Surface water bodies/ courses:

The waste dump will be stabilised with the retaining wall and garland drain to confinement from surface water bodies on western & eastern side of the dumps, over a length of 700m and to a width of 2m.

5.5 Arrangement of Separate Stacking of Sub-Grade Minerals:

The waste rock mixed with top soil and granite waste will be stocked in same dump yard.

6. USE OF MINERALS & MINERAL REJECTS:

- a) The black granite of the area will be supplied to the cutting and polishing industries. The granite blocks will be cut in to slabs and monuments. The polished slabs will be used for flooring, wall panelling, table tops and other construction field. The monuments will be used for decorative purpose.

7. PROCESSING OF ROM & MINERAL REJECT:

The in-situ material excavated from the lease area will be separated as saleable granite blocks and granite waste. The saleable blocks will be supplied to the cutting and polishing industries and the granite waste will be stocked at dump yard.

8. OTHERS**a) Site Services:**

For site services an office, first aid and rest shed will be provided in the lease area on NE side of the area. The location of the proposed site services are shown on plate-4.

b) Employment Potential:

The mine working will be carried out under the supervision of a mine's manager, having a mining engineering certificate under the provisions of MCDR 1988. The following manpower will be employed to carry out the mining activity in the lease area.

Sl. No.	Particulars	Total No's
1	Mines Manager	1
3	Operators	12
4	Semi-Skilled	6
5	Un-Skilled	6
6	Office staff & Security	5
	Grand Total	30 Nos



PART-B

PROGRESSIVE MINE CLOSURE PLAN

1 Environment Base line information:

- a) Existing Land Use Pattern: The subject area is belongs to Forest Department. The surroundings lands, located on SE side within 500m radius are mainly used for agriculture to grow dry crops. The forest land is continuing towards Northern, South & West from the applied lease area. The existing land use pattern of the recommended lease area is detailed below.

Description	Extent of Area is used (Ha)
Mining	Nil
Waste dump	Nil
Road & Infrastructure	Nil
Mineral Stock	Nil
Agriculture	Nil
Forest Land	4.96
Total	4.96 Ha

- b) Water Regime: There are no perennial water sources in the applied lease area. The rainwater flows through the slopes of the lease area and it joins to seasonal nala, which is running in NW side of the area.
- c) Human Settlements: Within the recommended lease area, there are no villages or human settlements located. There is no question of any evacuation or resettlement of people elsewhere. Workers come from the village, which is located at more than 2.5 Km. The villages located within 5km radius from the subject area are shown on plate-1.
- d) Public buildings, sanctuaries, eco-sensitive areas etc: There are no public buildings, monuments, historic importance places & any sanctuary within or in the vicinity of the area.

2 Impact Assessment:

- a) Land Degradation: The following area is required for mining activity for five years plan period.

Mining Activity	Area Covers in Hects
Working Area	1.1708
Waste Dump Area	0.10100
Plantation	0.1000
Mine Roads	0.0450
Site Services	0.0050
Retaining wall & G. Drain	0.1400
Total Area	1.5618Ha

- b) Air quality: The mining activity in this area is situated at safe distance from the villages which are likely to be affected. However air quality will be maintained within the Standards of National Ambient Air Quality (NAAQS) as detailed below.

Sl. No	Pollutant	Levels
1	SO ₂	120ug/m ³
2	NO ₂	120ug/m ³
3	Suspended Particulate Mater (SPM)	500ug/m ³
4	Respirable Particulate Mater (RPM) (size<10um)	150ug/m ³
5	CO=5mg/m ³	5mg/m ³
6	Pb	1.5ug/m ³



- c) Water Quality: There is no liquid waste discharge from this mining activity which is likely to be polluted the water. The rainwater flow the slope of the area and joins to seasonal nal, located in NW side of the area.
- d) Noise Levels: The mining will be carried out with the help drilling, blasting (occasionally) and excavator. So, there are chances for noise generations and the noise levels will be maintained within the permissible limits as detailed below.

Permissible noise exposure for different period of time is given below:

Sl. No	Duration per day (Hrs)	Sound level dBA
1	1/8	110
2	1/4	110
3	1/2	105
4	1	100
5	2	95
6	4	90
7	8	85
8	16	80

- e) Vibration Levels: The mining activity will be carried out with the help of drilling and blasting (occasionally). So, there are chances for ground vibrations. Since there are no permanent structures in the vicinity of the area, there will not be any impact due to vibrations.
- f) Water Regime: Since the mining activity will be carried out up to a depth of 18 m from top of the hill, no water regime is disturbed. The water table is available at a depth of more than 60 m from surface at foothills of the applied area.
- g) Acid Mine Drainage: No acid water will be discharged from mine workings.
- h) Surface Subsidence: The workings will be carried out to a depth of 18m (Max) from top of the hill. So, there are no chances for surface subsidence due to this mining activity.
- i) Socio-Economics: The villages falling within the buffer zone are mainly depending upon agriculture. There will be no adverse effect on their socio- economic environment besides; mining gives additional income to the labourers.
- j) Historical monuments etc.: There are no historical monuments or historical importance places within or in the vicinity the lease area.
- k) Bio-Diversity: The applied lease area belongs to stony waste, located in the forest it does not consist of much flora. But the slopes are covered by the moderate plants. There is no report on existing of any wild animals in the area.
- 3 Progressive Reclamation Plan: The details of mined out area and its reclamation is detailed below.
- i) Mined-Out Land: By the end of first five years plan period about 1.1708 Ha will be mined out. In the balance area, about 0.10100 Ha will be used for waste dumping. By the end of the lease period about 2.9598 Ha will be used for excavation of the mineral. The remaining mineral available at the bottom of the pit will be excavated in next lease period. So, no backfilling is proposed for this lease period. The land use pattern for first five years plan period is detailed below.

The progressive land use patron for first five years of the lease period is detailed below.

Year	Land degradation at the beginning Ha	Additional area required (Ha)	Total Area (Ha)	Reclamation in the year(ha)	Degraded area at end of the year(Ha)
1 st Year	0	0.2354	0.2354	Nil	0.2354
2 nd Year	0.2354	0.2404	0.4758	Nil	0.4758
3 rd Year	0.4758	0.2340	0.7098	Nil	0.7098
4 th Year	0.7098	0.2310	0.9408	Nil	0.9408
5 th Year	0.9408	0.2300	1.1708	Nil	1.1708

The land degradation in subsequent five years of the lease period:

Based on present data regarding the thickness of the mineral, the life of the mine is estimated as more than 20 years. However, the 20year workings will give the clear picture of the mineral thickness where the mineral is continuing further depth or not. If the mineral is not continued further depth of 20 years of the lease period, the waste material will be re handled for backfilling of the worked-out pit at the end of the life of the mine. The mineral available at the bottom of the pit will be excavated during 2nd lease period as detailed below.

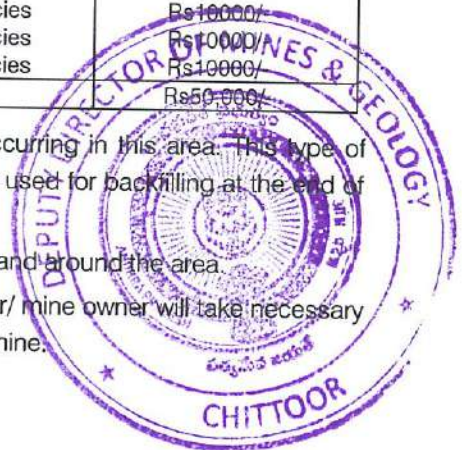
Year	Land degradation at the beginning Ha	Additional area required (Ha)	Total Area (Ha)	Reclamation in the year (ha)	Degraded area at end of the year (Ha)
In 15 years	1.1708	1.78900	2.9598	Nil	2.9598

In case of Abandoned Quarries / Pits, proposal for uses Reservoir, size, water holding capacity and its Utilization: During this lease period the quarry workings will cover an area of 2.9598 Ha to a max. depth of 58m from top of the hill. Hence, the mineral available at the bottom of the working pit will be excavated in next lease period i.e. after 20 years of this lease period.

Plantation: A green belt will be developed along lease boundary on Western& Northern sides of the area. In every year 100plants of local species will be planted over a length of 100 m and at 2m interval. The details of year wise plantation are furnished below.

Year	Area proposed for plantation	Plants proposed For the year	Cost for plantation
1 st Year	100m x 2m: 200 m ²	100Nos of local species	Rs10000/-
2 nd Year	100m x 2m: 200 m ²	100Nos of local species	Rs10000/-
3 rd Year	100m x 2m: 200 m ²	100Nos of local species	Rs10000/-
4 th Year	100m x 2m: 200 m ²	100Nos of local species	Rs10000/-
5 th Year	100m x 2m: 200 m ²	100Nos of local species	Rs10000/-
Total	0. 1000 Ha	500 Plants	Rs50,000/-

- ii) **Topsoil Management:** The weathered rock mixed with soil is occurring in this area. This type of waste will be stacked separately in this plan period and it will be used for backfilling at the end of the life of the mine.
- iii) **Tailings Dam Management:** There are no tailing dams located in and around the area.
- iv) **Disaster Management and Risk Assessment:** The mines manager/ mine owner will take necessary action as per statutory requirement, if any disaster occurs in the mine.



- v) **Care and maintenance during temporary discontinuance:** The applicant will take proper care and maintenance during temporary discontinuance of mining operations.

Item	Details	Proposed	Actual	Remarks
Dump Management	Area afforested (ha) No. of saplings planted cumulative No of plants cost including watch and care during the year	No plantation is proposed on waste dumps because the waste will be used for backfilling at the end of the life of the mine i.e. after 20 y.	Nil	---
Management of Worked out Benches	Area available for rehabilitation (specify) No of saplings planted in the year. Cumulative no of plants. Any other method of rehabilitation (specify) Cost including watch and care during the year.	No mined area will be formed in 1 st five years. Part of the pit will be backfilled at the end of the life of mine & remaining pits will be used for rain waste harvesting in next lease period.	Nil	--
Reclamation & Rehabilitation by back filling	Void available for Backfilling (L x B x D) pit wise Void filled by waste/tailings. Afforestation on the backfilled Area. Rehabilitation by making water reservoir Any other means.	No backfilling is proposed for this lease period.	Nil	---
Rehabilitation of waste Land within the lease	Area available(ha) Area rehabilitated Method of rehabilitation	No waste land is available in this lease area. Plantation will take up Along boundary.	1000 m ² area will be Planted in five years.	---

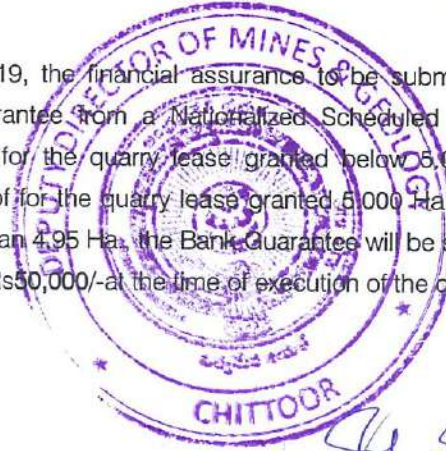
- vi) **Financial Assurance:**

As per the G. O.Ms. No. 53, Dt: 27-02-2019, the financial assurance to be submitted to the concern ADMG in the form of Bank Guarantee from a Nationalized Scheduled Bank, to a minimum amount of rupees fifty thousand for the quarry lease granted below 5,000 Ha and rupees ten thousand per Hect or part thereof for the quarry lease granted 5,000 Ha and above. Since the recommended lease area is less than 4.95 Ha, the Bank Guarantee will be submitted to the ADMG, Chittoor for minimum amount of Rs50,000/- at the time of execution of the quarry lease.

For M/s Sri Vasista Mining

with lily

Signature of the Applicant



[Signature]
Signature of the RQP
(Y.THIMMAIAH)

The Mining Plan / Schems is Approved subject
conditions & stipulations indicated in
Plan / Scheme Approved letter.
No.: 2585/MP/BG/CTR/2021
Date: 06/10/2021

APPROVED
[Signature]
Deputy Director of Mines & Geology
Chittoor.

ANNEXURE- IA

GOVERNMENT OF ANDHRA PRADESH
FOREST DEPARTMENT

Rc.No.146/2020/TO,
Dated: 10.08.2021

O/o the Divisional Forest Officer,
Chittoor West Division, Chittoor.

Sri S. Ravi Shankar,SFS,
Divisional Forest Officer.

Sub	:	APFD - F.C.Act. 1980 - Proposals for diversion of 4.96 Ha. Forest Land in Compt. No.200 of Bodabanda RF & beat of Chittoor West Division, Yadamari Mandal, Chittoor District filed by M/s. Sri Vasista Mining, Hyderabad Managing partner: B.S. Nithin Kumar Reddy- Proposals submitted for approval- Further information called for - Reg.
Ref	:	1. Prl. Chief Conservator Forests(HoFF), AP. Guntur Rc.No. EFS02-15029/23/2020/FCA-1, dt.27.04.2021. 2. This office Rc.No.146/2020/TO, dt.14.06.2021. 3. Prl. Chief Conservator Forests(HoFF), AP. Guntur Rc.No. EFS02-15029/23/2020-FCA.1, dt: 03.08.2021 addressed to the Director of Mines & Geology, Ibrahimpatnam.

Please go through the instructions of PCCF in the reference 3rd cited, and submit the approved Mining plan from the competent authority of Mines & Geology Department as early as possible for submission of compliance report to the PCCF AP Guntur for further action in the matter.

To
M/s Sri Vasista Mining,
Mg.Pr: B.S. Nithin Kumar Reddy
Sri Vasista Apurva, 8-2-350/3/2, 501,
Road No.3, Banjara Hills, Hyderabad.



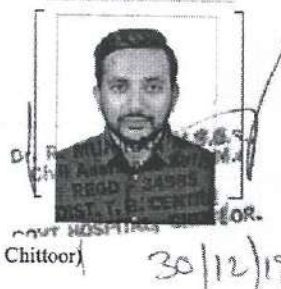
GOVERNMENT OF ANDHRA PRADESH
FORM - "P"

Application of Quarry Lease for Granite

Dated 30th December, 2019

Received at _____
On _____

Initial of the receiving officer _____



To
The Director of Mines & Geology,
Ibrahimpattam, VIJAYAWADA.

(Through the Assistant Director of Mines & Geology, Chittoor)

Sir,

1. I request that a quarry lease under the A.P.M.M.C Rules, 1966 may be granted to me.

A sum of Rs.12,500/- and demand draft for Rs.1,25,000/- being the fee in respect of this application and deposit respectively payable under sub rule (5-a) of rule 12 vide Challan No.31280496522019, dated 29-12-2019 and Deposit Challan No. 31280447152019, dated 30-12-2019 at State Bank of India, Chittoor.

2. The required particulars are given below:

- i. Name of the Applicant with complete address and status of the Applicant : **M/s. SRI VASISTA MINING,
Mg. Partner: Sri. B.S. Nithin Kumar Reddy,
S/o. B.S.SREENATH REDDY,
Sri Vasista Apurva, 5th Floor, #.8-2-350,
Banjara Hills Road No.3, Opp: MJIT, Banjara
Hills, Hyderabad, Telangana - 500034.
PAN No.ADCFS5854M
Cell No: 9000352266.
Email :- nithin@srivasista.com**

ii. Is the applicant a private individual/co-operative/ Firm/ Association/ Private Sector undertaking /Joint Sector under taking or any other. : **Firm**

iii. In case applicant is: : **Indian**

a. An individual, his Nationality, Qualification and experience related to quarrying. : **Does not arise**

b. A company an attested copy of the certificate of registration of the company shall be enclosed. : **Does not arise**

c. A firm or association, the Nationality of all the partners of the firm or members of the association : **Does not arise**

d. A co-operative, Nationality of Non-India Members, if any along with place of registration and copy of the certificate of registration : **Does not arise**



: 2 :

3. Profession or nature of business of the applicant : Granite Quarrying and Sales
4. Particulars of documents appended :
- a. Mineral Dues Clearance Certificate : Does not arise. Since the applicant company is not having any arrears to the Government.
- b. Affidavit in lieu of Mineral Dues clearance Certificate, subject to the production of mineral dues clearance certificate with in the period of 90 days of making the application : Affidavit enclosed
- c. Affidavit when not holding any quarry lease : Affidavit enclosed
5. Mineral which the applicant intends to quarry : Black Granite Granite
6. Period for which quarry lease is required : 20 Years
7. Extent of the area, for which quarry lease is required : 4.990 Hectares
8. Details of the area in respect of which quarry lease is required :

DISTRICT	MANDAL	VILLAGE	C.NO.	AREA
CHITTOOR	Bangarupalem	Bodabanda R.F., Chittoor West Division	200	4.990

9. Brief description of the area with particulars reference to the following

- a. Does the applicant have surface rights over the area for which is making an application for grant of quarry lease : Forest Land
- b. If not, has he obtained the consent of the owner, and the occupier of the land for undertaking quarrying operation : Forest Land
10. a. A copy of village map which is not in less scale than village map showing the area applied and situation of the area in respect of natural features such as streams or lakes. : Forest Land
Sketch to scale with the particulars enclosed
- b. In the case of village area the name of the village, khasra number, the area in Hect. of each field or part hereof applied for : Bodabanda R.F.,
Chittoor West Division,
Bangarupalem Mandal
C.No. 200,
Chittoor District
Extent - 4.990 hectares
Conts: 3



: 3 :

- c. In case the area applied for is under forest, : Yes
then the following particulars be given

11. In case the area applied for this under forest then the following particulars are to be given

- a. Forest Division Block and Range : Chittoor West Division
Chittoor West Range
b. Legal Statues of the Forest (namely : Bodabanda R.F.
reserved, protected, unclassified etc.,

12. Particulars of the area mineral wise in each state duly supported by an affidavit for which the applicant and any person joint in interest with him

- a. Already holds under quarry lease : Affidavit Submitted
b. Has already applied for, but not granted : Affidavit Submitted
c. Being applied for simultaneously : - No -

13. Nature of Joint in interest if any : --

14. a. Does the applicant hold a prospecting : No
licence over the area mentioned at item.9
above.? If so, give its numbers and date of
grant and the date when it is due to expire

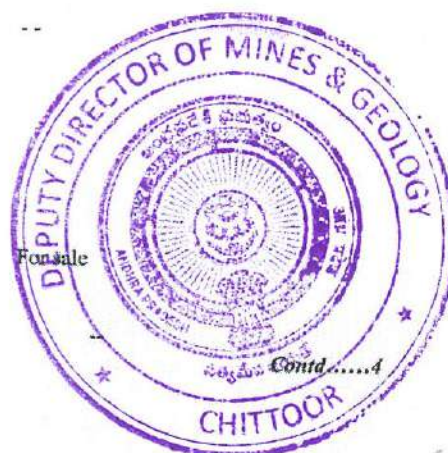
- b. Has the applicant carried out the prospecting : Does not arise
operation over the area under P.L. and send
his report to the State Govt. if not, state
reasons for not doing so

- c. Nature of the land chosen for dumping over : Within the leased area.
burden/waste and failings (that is type of
land whether agricultural, grazing land,
barren, saline land etc.,) and whether
proposed site has been shown on the mine
working plan. Give also the extent of area
in hectares set apart for dumping of waste
and failings

15. A Report giving the details of prospecting : --
carried out in the area together with
assessment of the ore reserves, geological
plans, results of chemical analysis of the
representative samples and bore holes and
logs

16. Manner in which the Mineral raised is to be
utilized

- a. i. If for captive use, the location of plant :
and industry.
ii. For sale to indigenous consumption :



- b. If for export to foreign countries
- i. Names of the countries to which it is likely to be exported where the name is being setup on 100% export oriented or tied up basis. : Various countries as per the market
 - ii. Whether Minerals will be exported in raw form or after processing. Also indicate the state of processing, whether intermediate state or final state of the end product. : As per the specification of the foreign buyers
 - c. If it is to be used with in the country, indicate the industries in which it would be used. Whether it will be supplied in raw form or after processing. : For Cutting and Polishing Units
18. i. Financial resources of the applicant : Self investment
- ii. Anticipated yearly financial investments during the Course of quarry construction and aggregate investment upto the state of commencement of commercial production. : Rs.20,00,000-00/- Per Annum. Working Capital
19. The application form should be accompanied by a statement of the salient features of the scheme of quarrying. This should be generally on the lines of the project at a glance given in a quarrying feasibility report including features relating to the protection of environment. : Mining Plan will be submitted Later

I / do hereby declare that the particulars furnished above are correct and I am ready to furnish any other details including accurate plans and security deposit as may be required by you.

Place : Chittoor
Date : 30-12-2019

Yours faithfully,
For M/s. Sri Vasista Mining,

(Signature)
(B. S. NITHIN KUMAR REDDY)
(Mg. Partner)

Note

1. If the application is signed by any authorized agent of the applicant then the power of attorney should be attached.
2. The application should relate to one compact area only except when the application for Q.L is for an area already held under P.L by the applicant.





APTC FORM-10

GOVERNMENT OF ANDHRA PRADESH

Challan No:	21290490522019	Challan Creation Date & Time:	29/12/2019 12:50:16 PM
Treasury/PAO Code:	1102	STO:	STO-Chittoor
CFMS Transaction ID:	30139043062019		
Major Head:	0853		Non-Ferrous Mining and Metallurgical Industries
Sub-Major Head:	00		Not Applicable
Minor Head:	102		Mineral Concession Fees, Rents and royalties
Group Sub-Head:	00		Not Applicable
Sub-Head:	31		Other Receipts
Detailed Head:	000		Not Applicable
Sub-Detailed Head:	000		Not Applicable
Charged/Voted:	V		
Non-Contingency/Contingency:	N		
Amount Rs:	12500.00		
Amount in words Rs:	Twelve thousand five hundred only		
Purpose:	APPLICATION FEE AND SURVEY CHARGES		
Beneficiary's Name & Address:	SRI VASISTA MINING & S NITHIN KUMAR RED No.-55-350, 5th Floor, Banjara Hills Road No.3, Opp MJIT, Hyderabad, Telangana		
DDO Code:	11021307001 ADM INS.GEO. CHITTOOR		
Status:	Payment Transaction Successful		
Bank Reference Number:	CPM4130214		
Payment Date:	29/12/2019		
Received Rs:	12500.00		

Note: This Challan does not need endorsement of the treasury





APTC FORM-10

GOVERNMENT OF ANDHRA PRADESH

Challan No:	31280447182819	Challan Creation Date & Time:	28/12/2019 12:54:57 PM
Treasury/PAO Code:	1102	STO, STO-Chittoor	
CFMS Transaction ID:	30134390782819		
Major Head:	5445	CIVIL DEPOSITS	
Sub-Major Head:	00	NOT APPLICABLE	
Minor Head:	103	SECURITY DEPOSITS	
Group Sub-Head:	01	OWN FUNDS	
Sub-Head:	01	SECURITY DEPOSITS	
Detailed Head:	001	SECURITY DEPOSIT	
Sub-Detailed Head:	001	SECURITY DEPOSITS	
Charge/Voted:	Y		
Non-Contingency/Contingency:	N		
Amount Rs:	125000.00		
Amount in words Rs:	One lakh twenty five thousand only		
Purpose:	DEPOSIT FEE		
Remitter's Name & Address:	SRI VARISTA MINING & SATHIN KUMAR RED No.8-2-950, 5th Floor, Banjara Hills Road No.3, Opp MJT, Banjara Hills, Hyderabad, Telangana		
DDO Code:	11021307001 ADM INS.GEO. CHITTOOR		
Status:	Payment Transaction Successful		
Bank Reference Number:	CPX6131453		
Payment Date:	28/12/2019		
Received Rs:	125000.00		

Note: This Challan does not need enforcement of the Treasurer.





ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

No. 10791 P. No. 25: 1-2-19

to B.S. Nithin Kumar Reddy

for Whom M/s. Partner M/s. Sri Vasista Mining
Nandyal Kurnool Dist A.P.

AFFIDAVIT

K. VEENA
AL 136864
K. VEENA
LICENCED STAMP VENDOR
L.No. 10-23-001/2012
R.No. 10-23-001/2012
#2-1451/2 OFFICERS LINE
KONGAREDDYPALLI CHITTOOR
CELL 9440133547

I, B.S.Nithin Kumar Reddy S/o B.Sreenath Reddy aged about 33 years,
Mg.Partner: M/s Sri Vasista Mining at D.NO.25-131-B Sanjeeva Nagar, Nandyal,
Kurnool Dist A.P 518 501 do hereby solemnly affirm and state as follows that:

I am Indian National by birth.

I am newly entering in the mining field.

As such I am not having any Mining Leases/ Quarry Leases anywhere in the
State of Andhra Pradesh.

As such I am not having any mineral revenue arrears to the Govt. of Andhra
Pradesh or to the Central Govt. of India.

Now I am filling this affidavit in the place of M.R.C.C. as required under
A.P.M.M.C Rules 1966.

I take oath and declare that the facts stated above are true and correct to the
best of my knowledge, belief and I am not concealed or misrepresented the facts
mentioned in the affidavit.

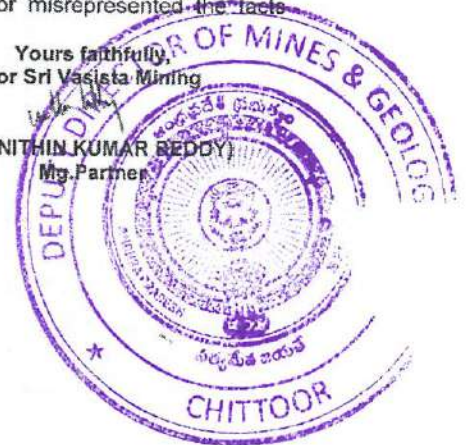
Yours faithfully,
For Sri Vasista Mining

(B.S.NITHIN KUMAR REDDY)
Mg. Partner



Signed before me on this 26th day of January 2019.

SL.59 GOMSAI (M. 12/2017)
Revenue Dept. Nandyal
#3-77, Sanjeeva Nagar
Gudipati, Chittoor Dist.





GOVERNMENT OF ANDHRA PRADESH 70689949
REGISTRATION AND STAMPS DEPARTMENT
THE REGISTRAR OF FIRMS
Nandyal

Acknowledgement of Registration of Firm

The Registrar of Firms, Nandyal hereby acknowledges the receipt of the statement prescribed by section 58(1) of the Indian Partnership Act, 1932.

The statement has been filed and the name of the firm SRI VASISTA MINING, has been entered in the Register of Firms as No. [No : 86 of 2016] at Nandyal.



Date: 04 August 2016

REGISTRAR OF FIRMS

Signature valid

Digitally signed
by Nandyal Data
Sub Registrar
Date: 2016.08.04
13:23:09 IST

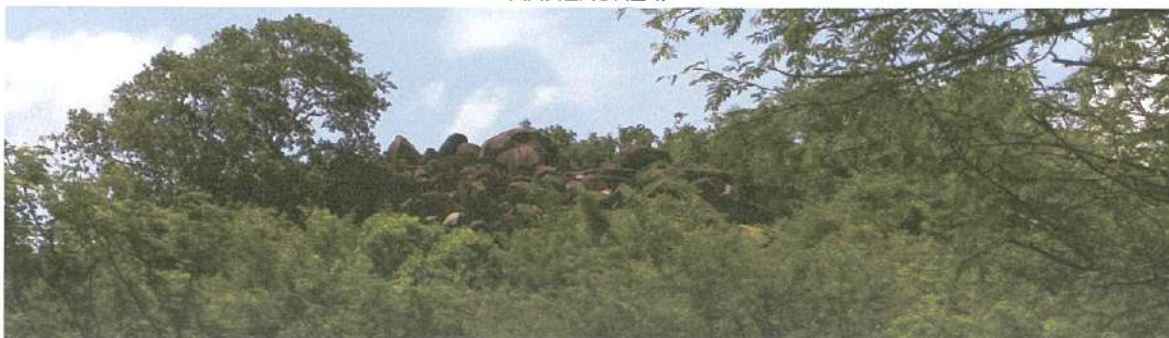
For M/s. SRI VASISTA MINING

Managing Partner

Note: This is a Digitally Signed Certificate, does not require physical signature. And this certificate can be verified at www.ap.mee seva.gov.in by furnishing the application number mentioned in the Certificate.

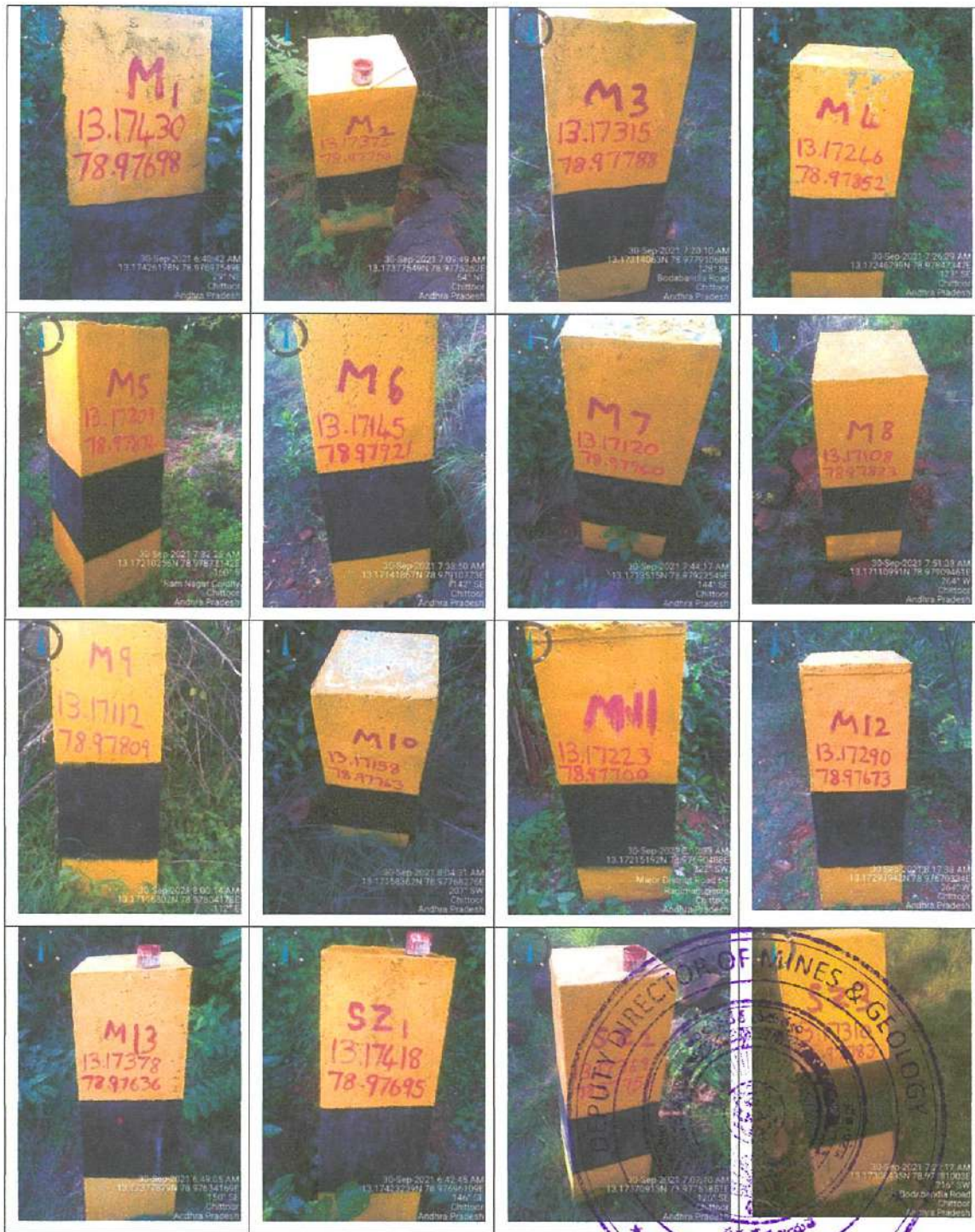


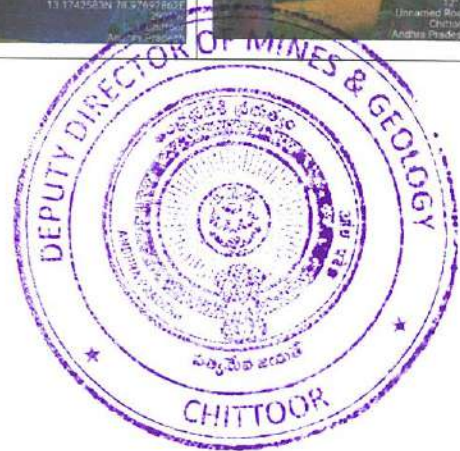
ANNEXURE-II



- 1) Top two Pictures show the Black Granite boulders exposed along the top of the hill in applied Q.L. Area of Comp. No. 200 of Bodabanda R.F./ Beat, Chittoor West Range and Chittoor West Division, A.P.
- 2) Picture shows the contact zone between Black Granite & Grey Granite (Sheet Rock) in the applied area.

Pictures of the Boundary Pillars erected the applied Q.L. area of Black Granite in Comp. No. 200 of Bodabanda R.F. / Beat, Chittoor West Range and Chittoor West Division, A.P.





Annexure – III



GOVERNMENT OF ANDHRA PRADESH
DEPARTMENT OF MINES AND GEOLOGY

CERTIFICATE OF REGISTRATION
AS QUALIFIED PERSON TO PREPARE MINING PLAN
[Under Rule 14(2) of Granite Conservation and Development Rules 1999]

Sri Y. Thimmaiah S/o Sri.Y. Lingappa, F.No.61205, Indu Fortune Fields Gardenia
KPHB-13th Phase, Hi-tech City – JNTU-Road, Hyderabad-500085. whose photograph is
affixed herein above, having given evidence of his qualification and experience is hereby
granted recognition under rule 14(3) of Granite Conservation & Development Rules, 1999
as Qualified Person to prepare Mining Plans/ Schemes.

Registration Number is :

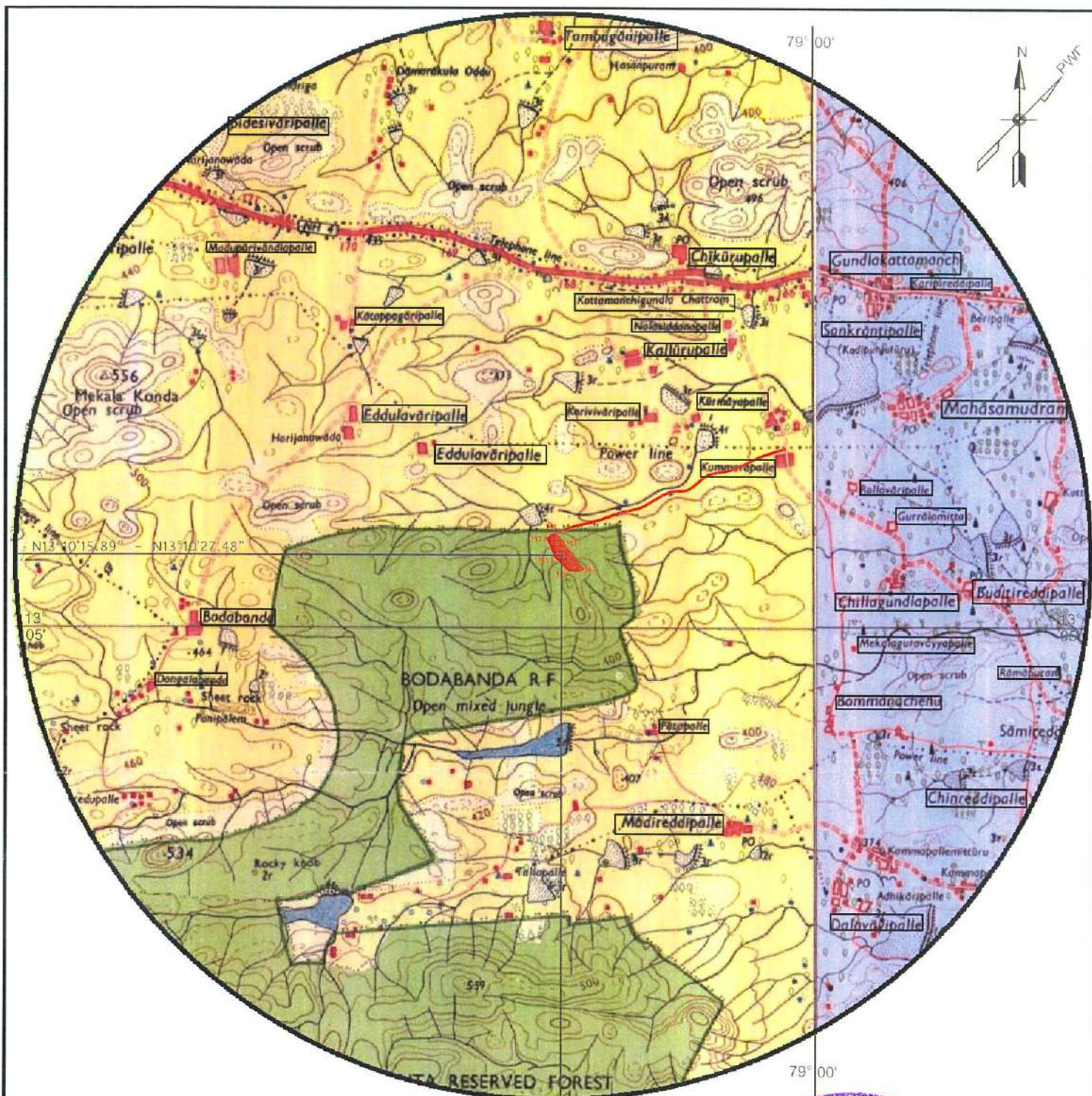
RQP/DMG/AP/11/2020

This Recognition is valid for a period of 10 years with effect
from 07.05.2020 and valid upto 06.05.2030.

This certificate will liable to be withdrawn/cancelled in the event of furnishing the
wrong information /documents in the Mining Plan submitted by him.

Place: Ibrahimpatnam
Date :10.07.2020.





E78°58'34.58" - E78°58'45.84"

Geo Co-Ordinates of Applied Area (DGPS Survey, DATUM: WGS 84)

Sl. No.	Name	Latitude	Longitude
1	M-1	13.17430077	78.97695732
2	M-2	13.17374226	78.97756864
3	M-3	13.17315978	78.97788068
4	M-4	13.17246364	78.97852784
5	M-5	13.17209465	78.97874804
6	M-6	13.17145808	78.97921783
7	M-7	13.17120921	78.97940022
8	M-8	13.17108012	78.97883986
9	M-9	13.17112019	78.97809939
10	M-10	13.17158812	78.97763836
11	M-11	13.17223733	78.97700319
12	M-12	13.17290196	78.97673661
13	M-13	13.17378641	78.97639076
14	SZ-1	13.17418831	78.97695701
15	SZ-2	13.17369011	78.97752102
16	SZ-3	13.17310955	78.97783425
17	SZ-4	13.1720476	78.97869721
18	SZ-5	13.17242551	78.97847016
19	SZ-6	13.17141635	78.9791828
20	SZ-7	13.17125294	78.97929903
21	SZ-8	13.17114823	78.97883399
22	SZ-9	13.17118618	78.9781317
23	SZ-10	13.1716341	78.97769947
24	SZ-11	13.17227521	78.97706114
25	SZ-12	13.17291092	78.97680532
26	SZ-13	13.17375726	78.97640431
27	R	13.17448092	78.97771418
28	R-1	13.17424772	78.9769384
29	RA	13.17452356	78.97768006

INDEX

- APPLIED Q. L. AREA
- CONTOUR LINE
- PUBLIC ROAD
- WATER COURSE
- TANKS
- VILLAGES
- FOREST LAND
- CULTIVATION LANDS
- 5Km RADIUS

For M/S. SRI VASISTA MINING

SIGNATURE OF APPLICANT

MINING PLAN FOR BLACK GRANITE

Over an extent of 4.96 Ha. in Compartment No. 200 of Bodabanda R.F. Bodabanda Beat, Chittoor West Range & Chittoor West Division, A.P.

LOCATION CUM KEY PLAN

Applicant : M/s Sri Vasista Mining

SCALE : 1 : 50,000

T.SHEET No. 57/K16 & O 4

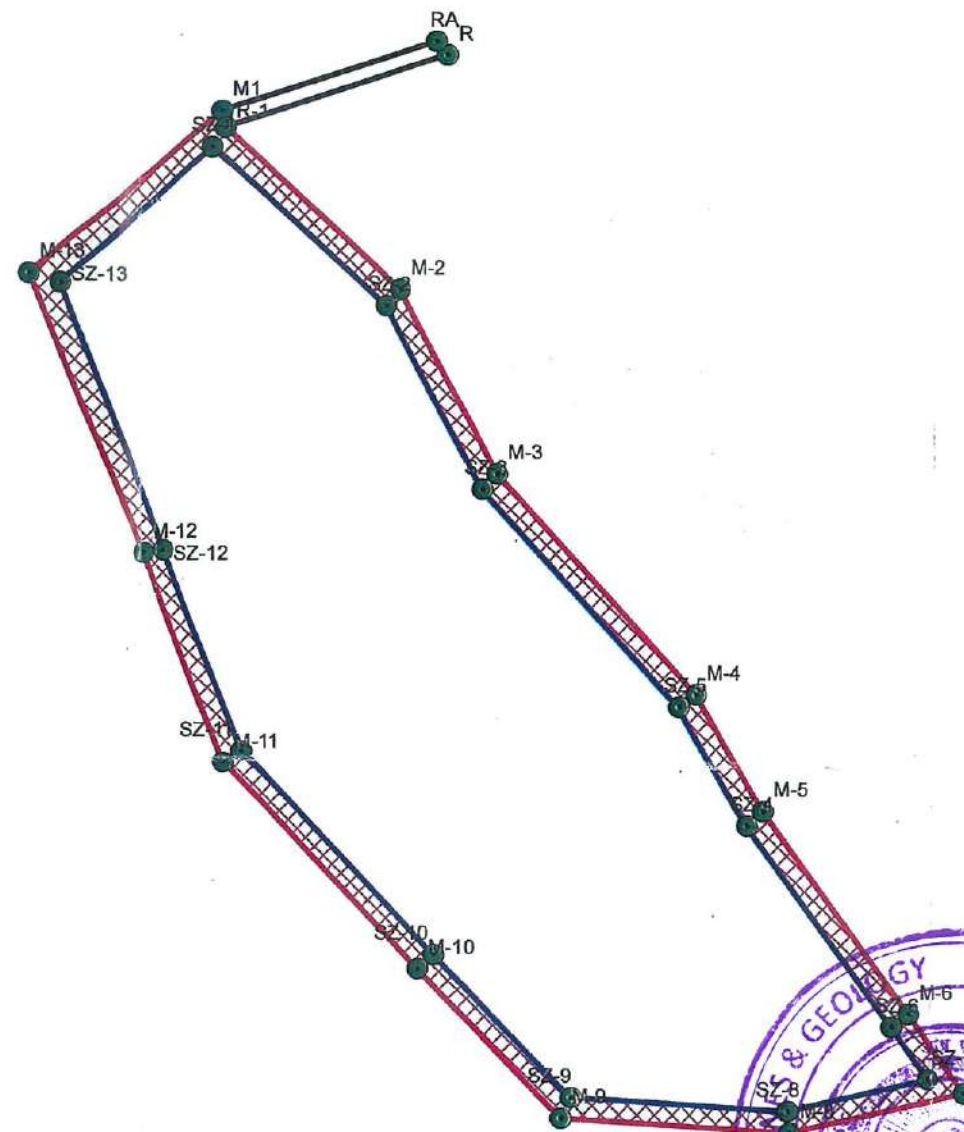
PLATE- 1

Map Showing the Diversion of Forest Land in Comp.No-200 of Bodabandai RF, Bodabanda Beat, Chittoor West Range, Chittoor West Division in f/o M/s Sri Vasista Mining.



1:2500

S no	Name	Northring	Eastring	Elevation	Latitude	Longitude
1	M1	1457293.628	280734.751	433.532	13.17430077	78.97698732
2	M-2	1457231.323	280797.067	444.622	13.17374226	78.97756664
3	M-3	1457166.598	280830.599	457.762	13.17315978	78.97788068
4	M-4	1457089.005	280900.149	464.095	13.17246364	78.97852784
5	M-5	1457047.985	280923.696	467.289	13.17209465	78.97874804
6	M-6	1456977.138	280974.067	469.387	13.17145808	78.97921783
7	M-7	1456949.442	280993.622	472.638	13.17120921	78.97940022
8	M-8	1456935.647	280932.749	486.094	13.17108012	78.97883986
9	M-9	1456940.726	280852.497	471.041	13.17112019	78.97809939
10	M-10	1456992.905	280802.928	459.668	13.17158812	78.97763838
11	M-11	1457065.294	280734.634	467.053	13.17223733	78.97700319
12	M-12	1457139.068	280706.321	449.981	13.17290196	78.97673661
13	M-13	1457237.261	280666.357	435.778	13.17378641	78.97636076
14	SZ-1	1457281.210	280731.365	431.420	13.17418831	78.97695701
15	SZ-2	1457225.592	280792.074	446.797	13.17369011	78.97752102
16	SZ-3	1457161.080	280825.519	458.249	13.17310955	78.97783425
17	SZ-4	1457042.823	280918.143	469.642	13.1720476	78.97869721
18	SZ-5	1457084.836	280893.860	464.948	13.17242551	78.97847016
19	SZ-6	1456972.569	280968.064	472.758	13.17141635	78.9791628
20	SZ-7	1456954.385	280980.846	477.661	13.17125294	78.97928203
21	SZ-8	1456943.188	280932.173	487.056	13.17114823	78.97883399
22	SZ-9	1456948.000	280856.059	471.419	13.17118618	78.9781317
23	SZ-10	1456997.948	280808.508	462.185	13.1716341	78.97768947
24	SZ-11	1457069.435	280740.951	466.740	13.17227521	78.97706114
25	SZ-12	1457140.000	280713.779	450.283	13.17291092	78.97680532
26	SZ-13	1457233.945	280677.559	436.806	13.17375726	78.97646431
27	R	1457312.927	280813.721	432.125	13.17448092	78.97771418
28	R-1	1457287.748	280735.905	432.621	13.17424772	78.9769984
29	RA	1457317.675	280810.061	431.914	13.17452356	78.97768006



S no	Name	Area(Ha)
1	Mining Area	4.16
2	Safety Zone Area	0.75
3	Road Area	0.05
Total Area		4.96

Legend	
●	DGPS Points
	Mining Area
	Safety Zone Area
	Road Area

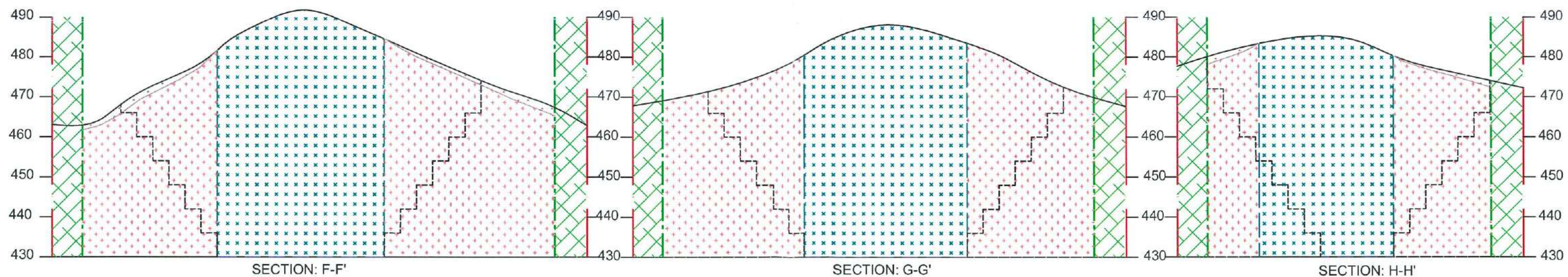
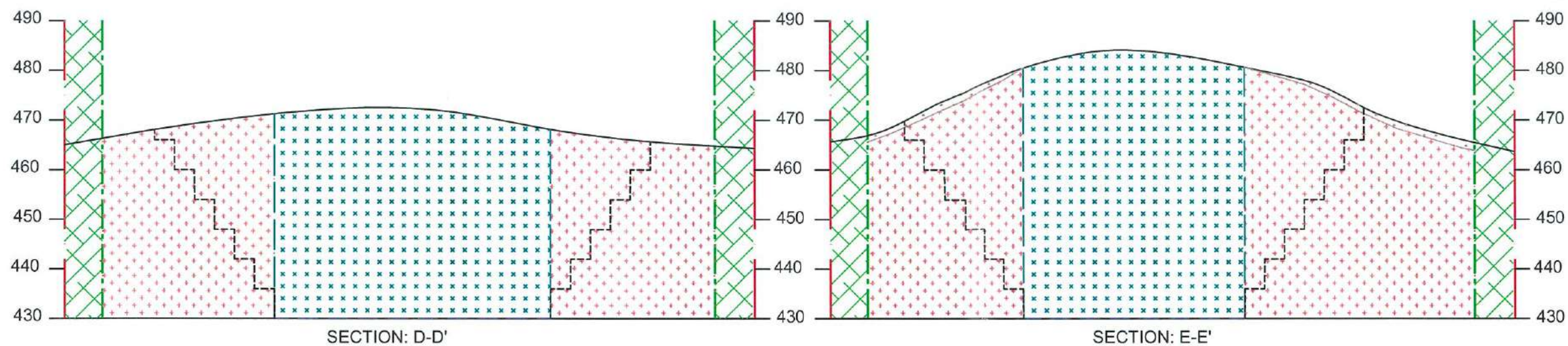
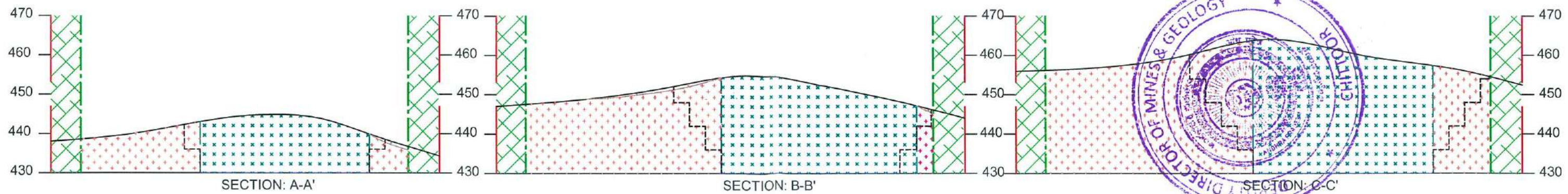
For M/S. SRI VASISTA MINING
with Lilly
Managing Partner
PLATE: 1A

Divisional Forest Officer,
Chittoor West Division, Chittoor



C. M. Lakshmi Babu
FOREST RANGE OFFICER
(GIS), O/o P.C.C.F. (HoFF),
Aranya Bhavan, Guntur.

The DGPS/GNSS/ETS data is only verified, the absolute locations of Points shall be verified by the concerned field officers.

Assistant Conservator of Forests (PMU-II)
O/o Principal Chief Conservator of Forests
Aranya Bhavan, Guntur, A.P.



INDEX

-  7.5m SAFETY BARRIER
-  SOIL COVER
-  BLACK GRANITE
-  GREY GRANITE
-  PROVED ZONE
-  ULTIMATE PIT LIMIT

THE PLAN & SECTIONS ARE PREPARED AS PER DGPS SURVEYED SKETCH

For M/S. SRI VASISTA MINING

with liberty

Managing Partner

SIGNATURE OF THE APPLICANT

[Signature]
Y. THIMMAIAH (R.Q.P.)

MINING PLAN FOR BLACK GRANITE

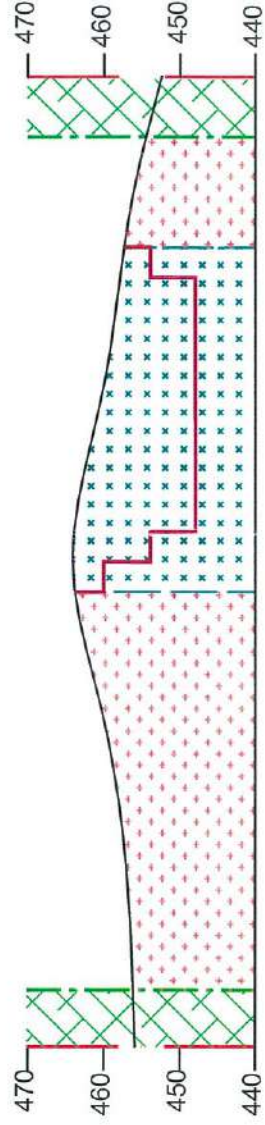
OVER AN EXTENT OF 4.96 Hects, IN COMPARTMENT No. 200 OF
BODABANDA R.F., BODABANDA BEAT,
CHITTOOR WEST RANGE OF CHITTOOR DIVISION, A.P.

APPLICANT : M/s SRI VASISTA MINING

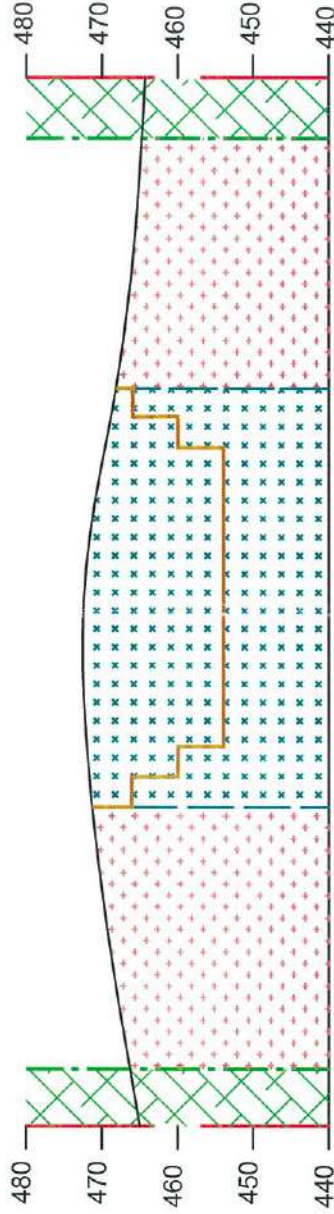
GEOLOGICAL CROSS SECTIONS

SCALE 1 : 1000

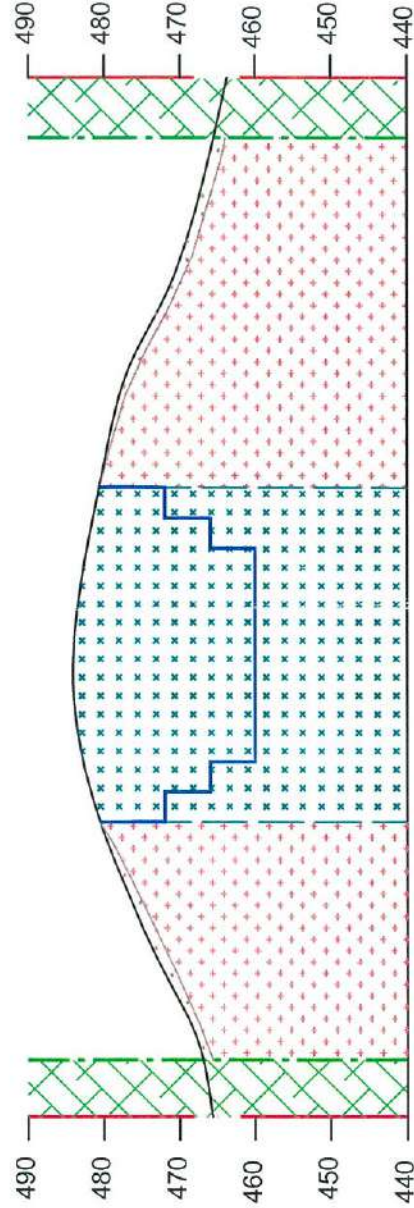
PLATE - 3A



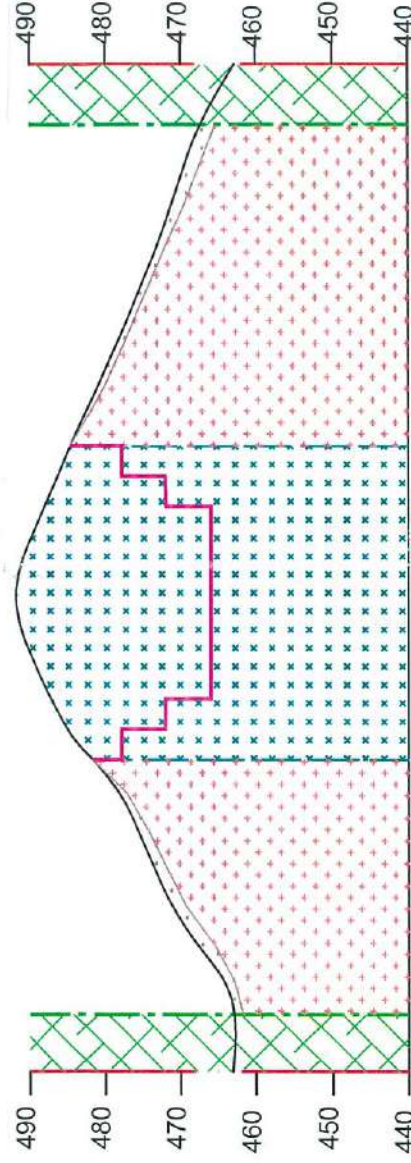
SECTION: C-C'



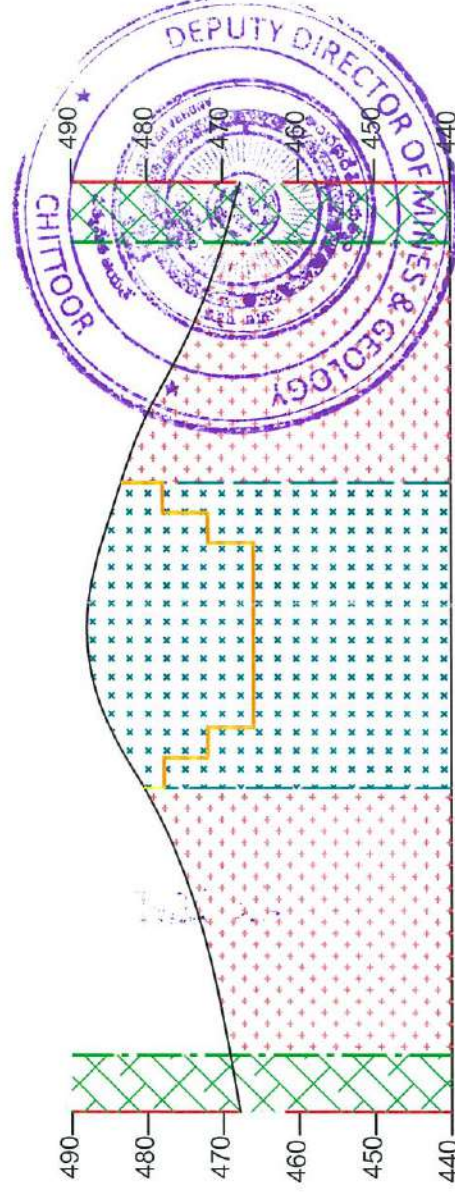
SECTION: D-D'



SECTION: E-E'



SECTION: F-F'



INDEX

	7.5m SAFETY BARRIER
	SOIL COVER
	BLACK GRANITE
	GREY GRANITE
	1st YEAR WORKINGS
	1st YEAR WORKINGS
	1st YEAR WORKINGS
	1st YEAR WORKINGS
	1st YEAR WORKINGS

THE PLAN & SECTIONS ARE PREPARED AS PER DGPS SURVEYED SKETCH
For M/S. SRI VASISTA MINING

Y. Thimmaiah
Managing Partner
SIGNATURE OF THE APPLICANT

Y. Thimmaiah
Y. THIMMAIAH (R.Q.P.)

MINING PLAN FOR BLACK GRANITE

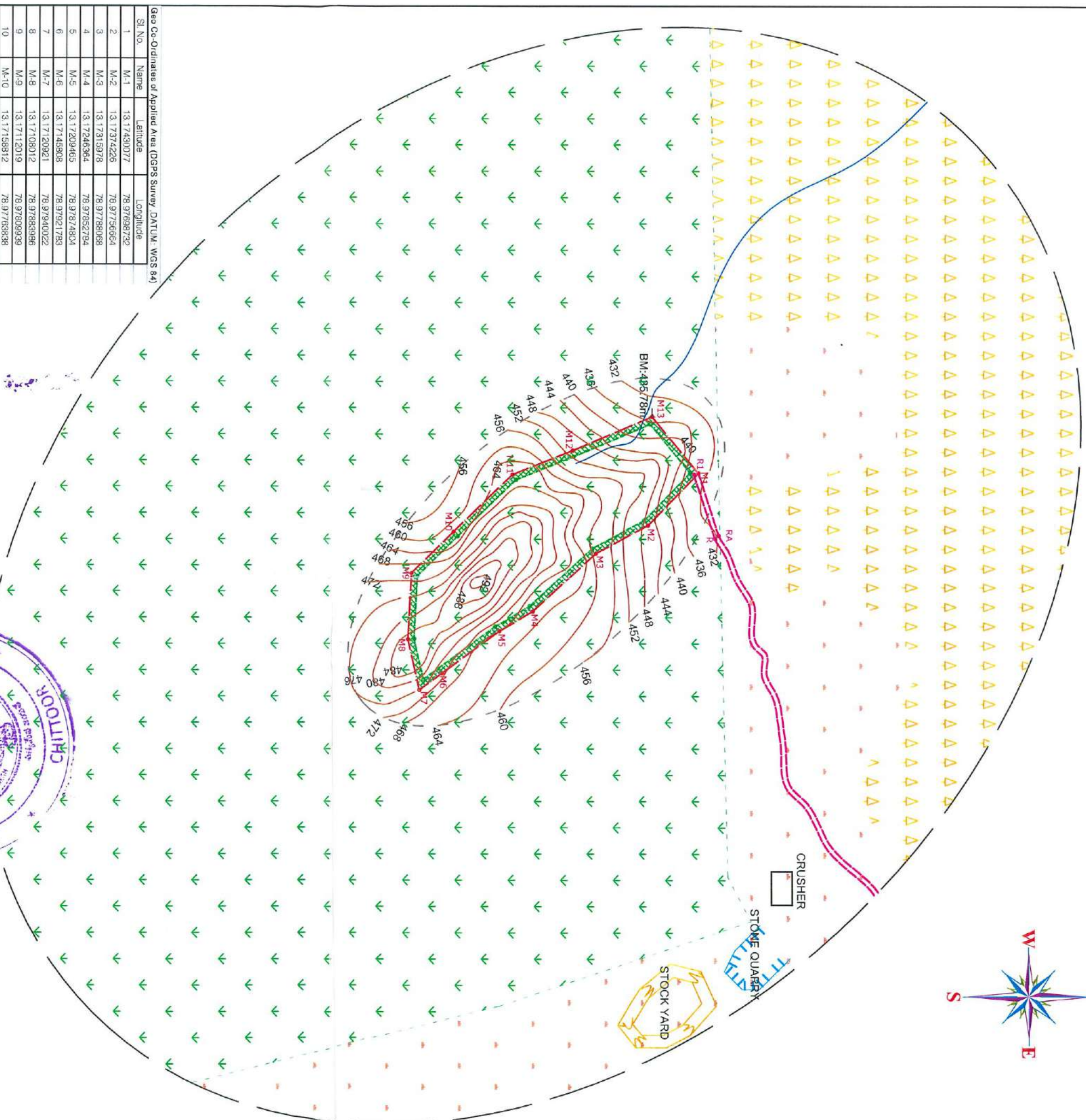
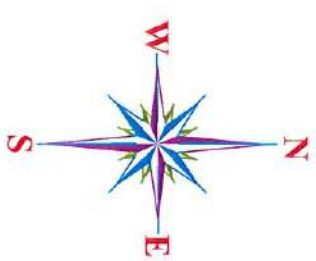
OVER AN EXTENT OF 4.96 Hects. IN COMPARTMENT No. 200 OF
BODABANDA R.F., BODABANDA BEAT,
CHITTOOR WEST RANGE OF CHITTOOR DIVISION, A.P.

APPLICANT : M/s SRI VASISTA MINING

YEAR WISE WORKING SECTIONS

SCALE 1 : 1000

PLATE - 4A



Geo Co-Ordinates of Applied Area (DGPS Survey, DATUM: WGS 84)

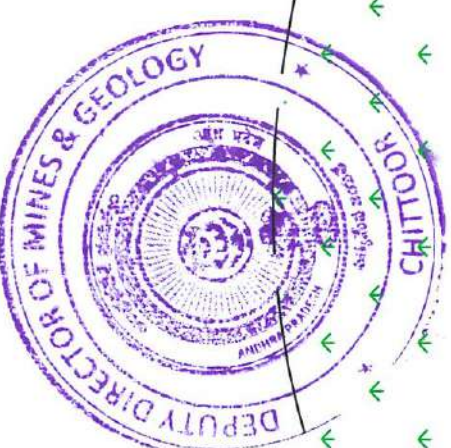
Sl. No.	Name	Latitude	Longitude
1	M-1	13.17430077	78.97698732
2	M-2	13.17374226	78.97756664
3	M-3	13.17315978	78.97788068
4	M-4	13.17246364	78.97652794
5	M-5	13.17209465	78.97874804
6	M-6	13.17146908	78.97921753
7	M-7	13.17120921	78.97940022
8	M-8	13.17108012	78.9783996
9	M-9	13.17112019	78.9780939
10	M-10	13.17158912	78.97763838
11	M-11	13.17223733	78.97700319
12	M-12	13.17290196	78.97673661
13	M-13	13.17378641	78.97636076
14	SZ-1	13.17418931	78.97695701
15	SZ-2	13.17389011	78.97752102
16	SZ-3	13.17310955	78.97733425
17	SZ-4	13.1720476	78.97689721
18	SZ-5	13.17242551	78.97847016
19	SZ-6	13.17141635	78.9791628
20	SZ-7	13.17128234	78.97928203
21	SZ-8	13.17114823	78.97683399
22	SZ-9	13.17118618	78.9781317
23	SZ-10	13.1716341	78.97768947
24	SZ-11	13.17227521	78.97706114
25	SZ-12	13.17291092	78.97680532
26	SZ-13	13.17375726	78.97646431
27	R-1	13.17448092	78.97771418
28	R-1	13.17424772	78.9769984
29	RA	13.17452356	78.97768006

INDEX

DETAILS OF THE APPLIED Q.L. AREA

	SAFETY ZONE AREA: 0.75 Ha
	MINING AREA: 4.16 Ha
	AREA FOR ROAD: 0.05 Ha
TOTAL AREA APPLIED FOR Q.L.: 4.96 Ha	
	BENCH MARK
	CONTOURS

	APPROACH ROAD
	NALA
	R.F. AREA
	AGRICULTURE LANDS
	WASTE LAND
	60 m ZONE
	500 m ZONE



THE PLAN & SECTIONS ARE PREPARED AS PER DGPS SURVEYED SKETCH
For M/s. SRI VASISTA MINING

SIGNATURE OF THE APPLICANT
Y. THIMMALAH (R.Q.P.)

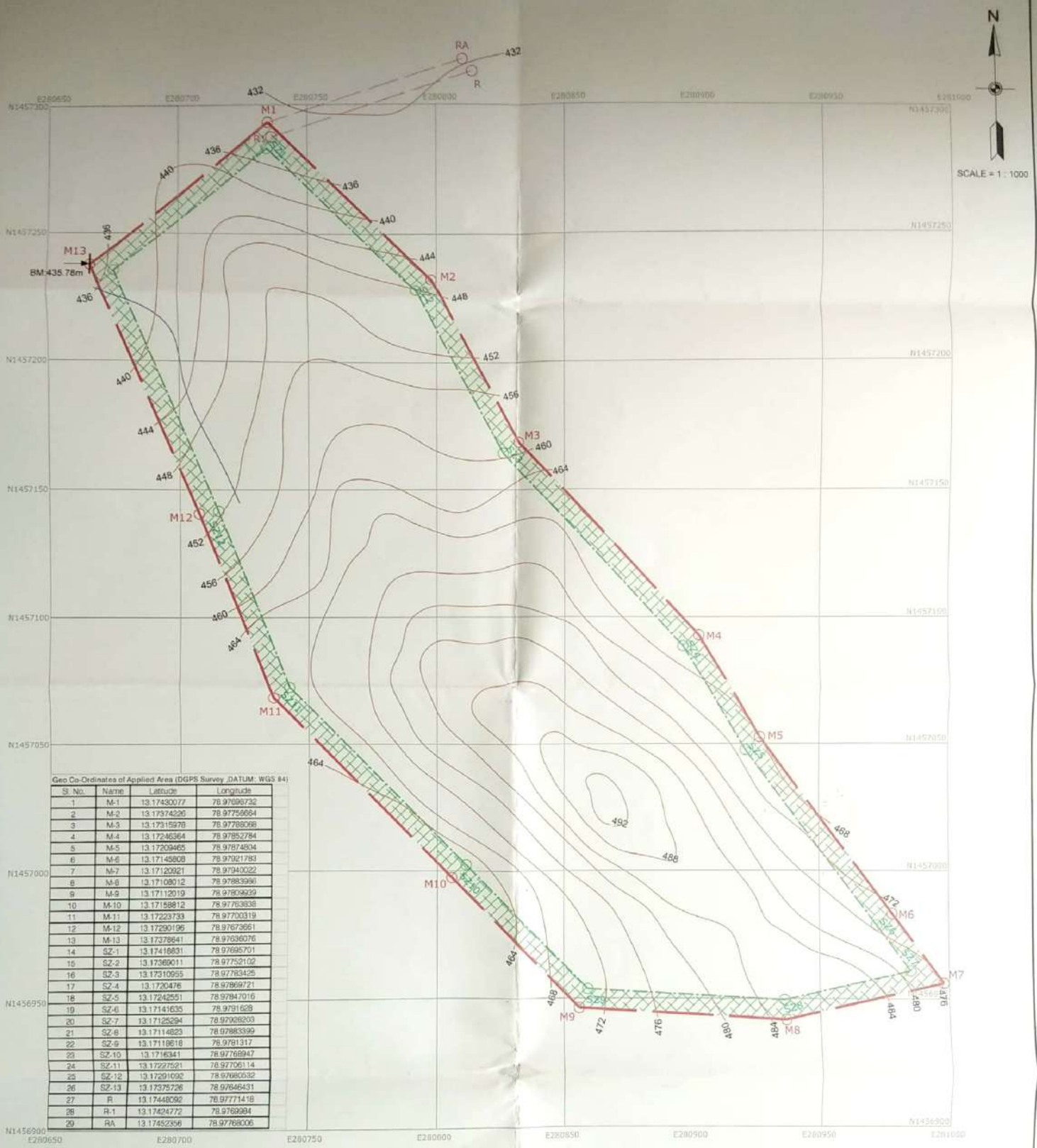
MINING PLAN FOR BLACK GRANITE

OVER AN EXTENT OF 4.96 Hects. IN COMPARTMENT No. 200 OF
BODABANDA R.F., BODABANDA BEAT,
CHITTOOR WEST RANGE OF CHITTOOR DIVISION, A.P.

APPLICANT : M/s SRI VASISTA MINING

ENVIRONMENT PLAN

SCALE 1 : 5000 CONTOUR INTERVAL: 4 m PLATE - 6



Geo Co-Ordinates of Applied Area (DGPS Survey, DATUM: WGS 84)

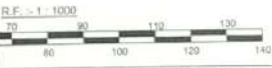
Sl. No.	Name	Latitude	Longitude
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2	M-2	13.17374226	78.97755664
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4	M-4	13.17246364	78.97852784
5	M-5	13.17209465	78.97874804
6	M-6	13.17148808	78.97921783
7	M-7	13.17120521	78.97940022
8	M-8	13.17108012	78.97983996
9	M-9	13.17112019	78.97804629
10	M-10	13.17158812	78.97763838
11	M-11	13.17223733	78.97700319
12	M-12	13.17290196	78.97673661
13	M-13	13.17378641	78.97636076
14	SZ-1	13.17416831	78.97695701
15	SZ-2	13.17360011	78.97752102
16	SZ-3	13.17310955	78.97783425
17	SZ-4	13.1726476	78.97869721
18	SZ-5	13.17242551	78.97847016
19	SZ-6	13.17141635	78.9791628
20	SZ-7	13.17125294	78.97928203
21	SZ-8	13.17114823	78.97883399
22	SZ-9	13.17119618	78.9791317
23	SZ-10	13.1716341	78.97769947
24	SZ-11	13.17227521	78.97706114
25	SZ-12	13.17291092	78.97680532
26	SZ-13	13.17375726	78.97646431
27	R	13.17448092	78.97771418
28	R-1	13.17424772	78.97699884
29	RA	13.17452356	78.97768006

INDEX

DETAILS OF THE APPLIED Q.L. AREA	
	SAFETY ZONE AREA: 0.75 Ha
	MINING AREA: 4.16 Ha
	AREA FOR ROAD: 0.05 Ha
TOTAL AREA APPLIED FOR Q.L.: 4.96 Ha	
	460 CONTOUR
	BM 435.78m BENCH MARK

THE PLAN & SECTIONS ARE PREPARED AS PER DGPS SURVEYED SKETCH

For M/S. SRI VASISTA MINING



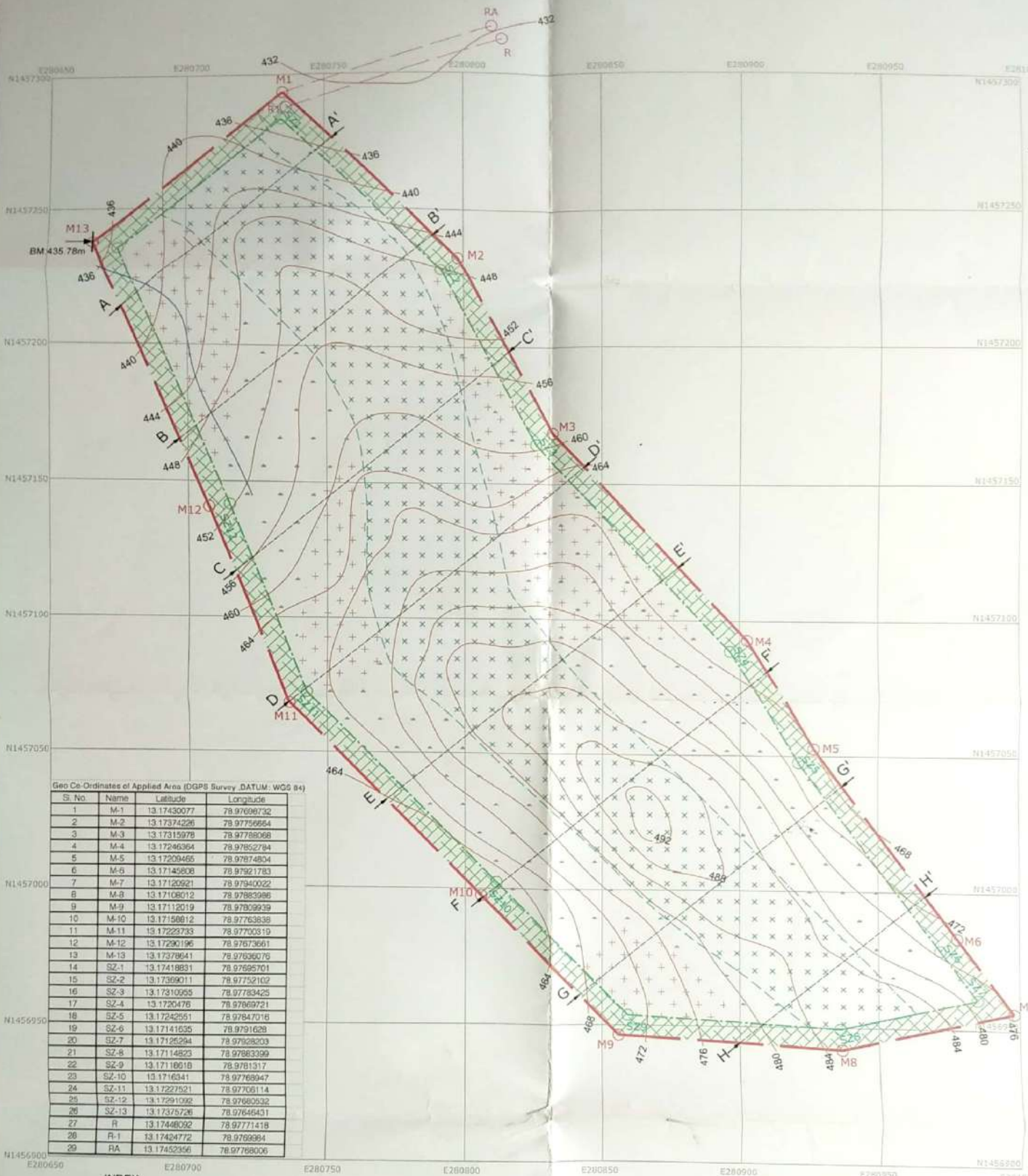
MINING PLAN FOR BLACK GRANITE

OVER AN EXTENT OF 4.96 HECTS. IN COMPARTMENT No. 200 OF
 BODABANDA R.F., BODABANDA BEAT,
 CHITTOOR WEST RANGE OF CHITTOOR DIVISION, A.P.

APPLICANT: M/s SRI VASISTA MINING

SURFACE PLAN

SCALE 1:1000 CONTOUR INTERVAL: 4m PLATE - 2



Geo Co-Ordinates of Applied Area (DGPS Survey DATUM: WGS 84)

Sr. No	Name	Latitude	Longitude
1	M-1	13.17430077	78.97699732
2	M-2	13.17374226	78.97759664
3	M-3	13.17315978	78.97780668
4	M-4	13.17246364	78.97852794
5	M-5	13.17209465	78.97874804
6	M-6	13.17145808	78.97921783
7	M-7	13.17120921	78.97940022
8	M-8	13.17106012	78.97882086
9	M-9	13.17112019	78.97809939
10	M-10	13.17158812	78.97763839
11	M-11	13.17223733	78.97700319
12	M-12	13.17290196	78.97673661
13	M-13	13.17378641	78.97636076
14	SZ-1	13.17418831	78.97695701
15	SZ-2	13.17399011	78.97752102
16	SZ-3	13.17310555	78.97783425
17	SZ-4	13.1720476	78.97669721
18	SZ-5	13.17242551	78.97847016
19	SZ-6	13.17141635	78.9791629
20	SZ-7	13.17125294	78.97928203
21	SZ-8	13.17114823	78.97863399
22	SZ-9	13.17116018	78.9781317
23	SZ-10	13.1716341	78.97769047
24	SZ-11	13.17227521	78.97705114
25	SZ-12	13.17291092	78.97680532
26	SZ-13	13.17375726	78.97646431
27	R	13.17448092	78.97717418
28	R-1	13.17424772	78.9769994
29	RA	13.17452356	78.97768006

INDEX

DETAILS OF THE APPLIED Q.L. AREA	
	SAFETY ZONE AREA: 0.75 Ha
	MINING AREA: 4.16 Ha
	AREA FOR ROAD: 0.05 Ha
TOTAL AREA APPLIED FOR Q.L.: 4.96 Ha	
	CONTOUR
	SEASONAL NALA
	BENCH MARK
	SOIL WITH SCREE
	BLACK GRANITE (DOLERITE)
	GRAY GRANITE

THE PLAN & SECTIONS ARE PREPARED AS PER DGPS SURVEYED SKETCH

For M/S. SRI VASISTA MINING

Managing Partner

SIGNATURE OF THE APPLICANT

Y. THIMMAIAH (R.Q.P.)

DEPUTY DIRECTOR OF MINES

CHITTOOR DISTRICT

CHITTOOR

SCALE 1:1000

CONTOUR INTERVAL - 4 m

PLATF - 1

MINING PLAN FOR BLACK GRANITE

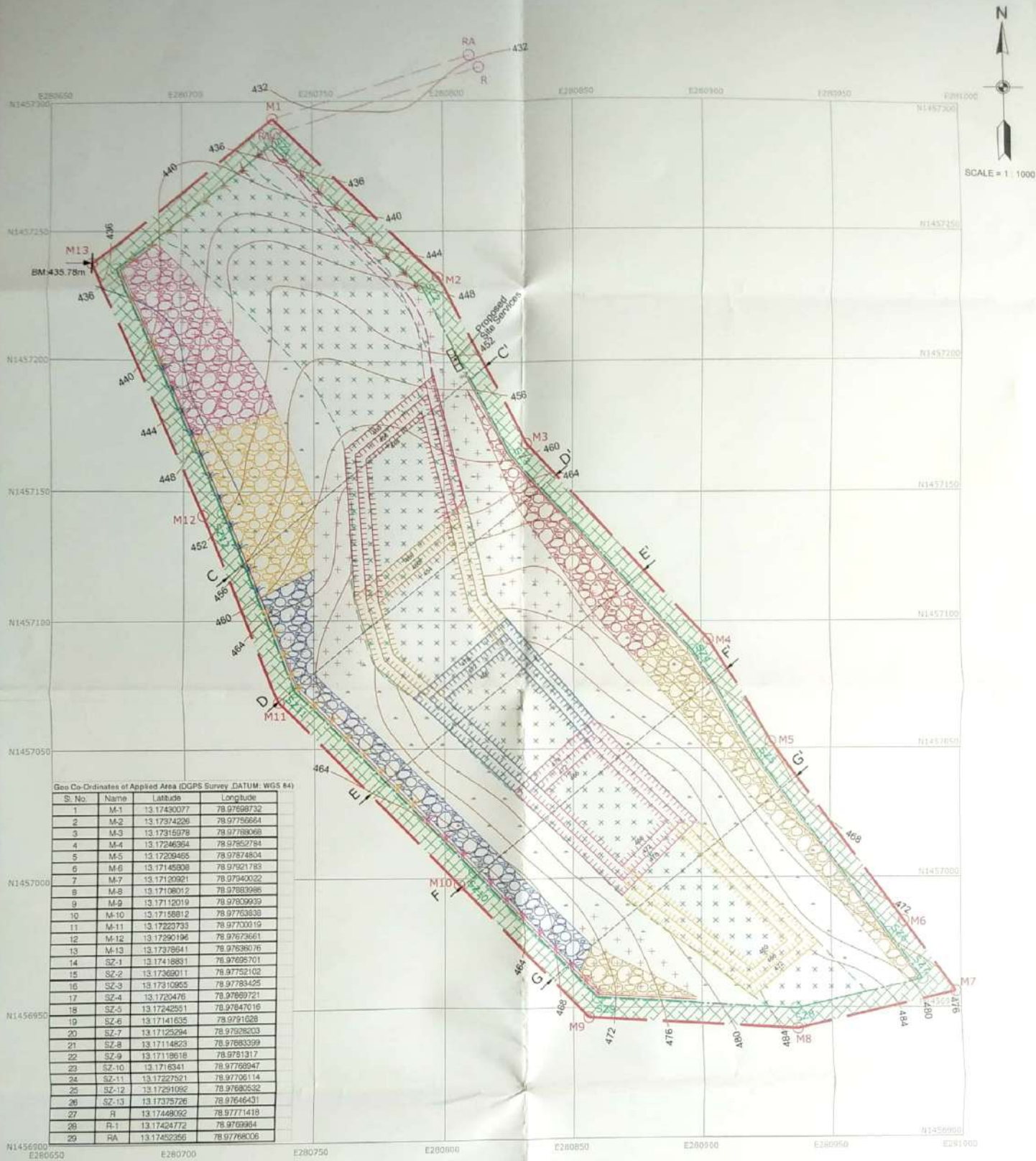
AS PER AN EXTENT OF 4.96 HECTS, IN COMPARTMENT No. 200 OF

BODABANDA R.F., BODABANDA BEAT,

CHITTOOR WEST RANGE OF CHITTOOR DIVISION, A.P.

APPLICANT: M/S SRI VASISTA MINING

SURFACE GEOLOGICAL PLAN





SCALE = 1 : 1000



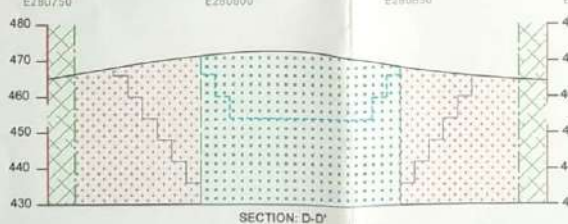
Geocentric Coordinates of Applied Area (DGPS Survey DATUM: WGS 84)

Sl. No.	Name	Latitude	Longitude
1	M-1	13.17430077	78.97686732
2	M-2	13.17374226	78.97756664
3	M-3	13.17315978	78.97786068
4	M-4	13.17246364	78.97852784
5	M-5	13.17209485	78.97874804
6	M-6	13.17145808	78.979321783
7	M-7	13.17120921	78.97940022
8	M-8	13.17108012	78.97883995
9	M-9	13.17112019	78.97809939
10	M-10	13.17158812	78.97763838
11	M-11	13.17223733	78.97700319
12	M-12	13.17290196	78.97673661
13	M-13	13.17378641	78.97636076
14	SZ-1	13.17418631	78.97695701
15	SZ-2	13.17369011	78.97752102
16	SZ-3	13.17310955	78.97783425
17	SZ-4	13.1720476	78.97969721
18	SZ-5	13.17242551	78.97847016
19	SZ-6	13.17141635	78.9791629
20	SZ-7	13.17125294	78.97932203
21	SZ-8	13.17114823	78.97883399
22	SZ-9	13.17118018	78.9781317
23	SZ-10	13.1716341	78.97769947
24	SZ-11	13.17227521	78.97708114
25	SZ-12	13.17291092	78.97680532
26	SZ-13	13.17375726	78.97645431
27	R	13.17448592	78.97771418
28	R-1	13.17424772	78.9769664
29	RA	13.17452356	78.97768006

INDEX

DETAILS OF THE APPLIED Q.L. AREA

	SAFETY ZONE AREA: 0.75 Ha
	MINING AREA: 4.18 Ha
	AREA FOR ROAD: 0.05 Ha
	TOTAL AREA APPLIED FOR Q.L.: 4.96 Ha
	460 CONTOUR
	SOIL WITH SCREE
	BLACK GRANITE (DOLERITE)
	GRAY GRANITE
	1st FIVE YEARS PIT POSITION
	PLANTATION
	FINAL PIT POSITION
	DUMPING AREA
	R.WALL & G. DRAIN



THE PLAN & SECTIONS ARE PREPARED AS PER DGPS SURVEYED SKETCH

For M/S. SRI VASISTA MINING

Managing Partner

SIGNATURE OF THE APPLICANT

Y. THIMMAIAH (R.Q.P.)

MINING PLAN FOR BLACK GRANITE

OVER AN EXTENT OF 4.96 HECTS. IN COMPARTMENT No. 200 OF

CHITTOOR R.F. BODABANDA BEAT,

CHITTOOR WEST RANGE OF CHITTOOR DIVISION, A.P.

APPLICANT: M/S. SRI VASISTA MINING

CONCEPTUAL PLAN & SECTION

SCALE 1 : 1000 CONTOUR INTERVAL: 4m PLATE - 5