

**GOVERNMENT OF ANDHRA PRADESH  
FOREST DEPARTMENT**

From

**Sri C. Chaitanya Kumar Reddy, IFS.,**  
District Forest Officer,  
Chittoor.

To

**The Chief Conservator of Forests,**  
Ananthapuramu Circle,  
Ananthapuramu.

**Rc.No.19/2020/TO, Dated. 18.09.2024.**

Sir,

Sub	:	<b>APFD – F.C. Act, 1980</b> – Diversion of Forest Land over an extent of 4.98 Ha falling in Compt No. 460 of Pachikunta RF Chittoor East Range of Chittoor District for grant of quarry lease for black granite in favour of M/s Sweety Granites, Chittoor Prop (Sri D. James)– Additional information called for - submitted – Reg.
Ref	:	<ol style="list-style-type: none"><li>1. PCCF &amp; HoFF (FAC) Rc.No. EFS02-15029/382019-FCA SEC-PCCF/FCA-1, dated. 16.03.2023.</li><li>2. Dy. Director of Mines &amp; Geology Rc.No.44/GEN/2019, dt. 29.03.2023</li><li>3. AD, Mines &amp; Geology, Chittoor Letter No. 6356/Misc/2013, dated. 29.03.2023</li><li>4. AD, Mines &amp; Geology, Palamaner Letter No. 966/E/2003, dated. 29.03.2023</li></ol>

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It is submitted that, vide reference 1<sup>st</sup> cited, the Pri Chief Conservator Forests, A.P., Mangalagiri has communicated copies of GoI , MoEF & CC, IRO, Vijayawada Lr. No. 4-APB185/2022-VIJ/396, dated: 30.01.2023 & Govt Memo No. 2633/Section.II/2021/1606355, EFS& T (Sec.II) dept., dt; 07.02.2023 instructed to submit information regarding status of existing mining leases in Chittoor district and Three Men Committee report for which formed a team to examine proposals pertaining to Chittoor holistically keeping in view all the conservation aspects and compliance of Acts/Rules and guidelines related.

In view of the above, it is submitted that, as per request by this office, the Dy. Director of Mines & Geology has forwarded the information submitted by the Asst. Director, Mines & Geology, Chittoor & Palamaner vide reference 3<sup>rd</sup> & 4<sup>th</sup> cited is submitted point wise information here under for favour of kind perusal.

1	Information of existing quarry projects in Chittoor District ( in both forest and non-forest area)	::	It is submitted that, the Asst. Director of Mines & Geology, Palamaner & Chittoor have submitted the information on existing quarry projects both in forest and non-forest area as Annexure-I enclosed
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2	<p>Status of compliance of Acts / Rules related to such quarry projects in the forest area for which approval accorded in the past.</p>	::	<p>Whenever proposals are received in lieu of diversion of forest land, as per the provisions of the Forest (C) Act, 1980 guidelines / rules, necessary approval will be accorded from the competent authority basing on the guidelines only. Stage-II compliance of all forest mines already submitted.</p>
3	<p>Availability of black granite in Chittoor District (in both forest and non-forest area).</p>	::	<p>As per the report of the A.D., Mines &amp; Geology, Palamaner vide reference 3rd &amp; 4th cited, there are 99 quarry leases granted in his jurisdiction, out of which 1 quarry lease existing in forest land i.e., Sri Sai Rocks in Compt No. 103 of Boyakonda RF of Punganur Range. This is having 7338 cbm per Annum hardly getting 1295 cbm of Black Granite only and remaining are in non-forest land. It was also reported that, nearly 88 granite cutting &amp; polishing industries have been established in jurisdiction of A.D., Mines &amp; Geology, Palamaner and</p> <p>Further, as reported by the A.D. Mines &amp; Geology, Chittoor, there are 186 quarry leases permission granted in his jurisdiction, out of which 21 black granite quarries are functioning in forest land, remaining 165 sanctioned in non-forest land. As per the report of the A.D. Mines &amp; Geology, Chittoor, 3 quarries are not functioning, and also reported that in 21 quarry leases having 79879 cbm per annum, hardly getting 12500 cbm of black granite only. Nearly, 350 – 400 granite cutting and polishing industries have been established in jurisdiction of A.D., Mines &amp; Geology, Chittoor.</p> <p>A.D., Mines &amp; Geology, Chittoor &amp; Palamaner have reported that, new industries coming up day by day, all these factories depended on nearby quarries for raw material. At present all granite quarry owners are using wire saw machines, rock breaking powder</p>

		for excavation of Granite blocks that would support to minimize air pollution and sound pollution. In order to meet the present demand of this variety the exploitation of new areas are also necessary.
4	Need / necessity for opening of new quarry in the forest area.	<p>As reported by the A.D. Mines &amp; Geology, Palamaner &amp; Chittoor, the information is reiterated hereunder.</p> <p>" It is submitted that generally the Black Granite (Dolerite dykes) occurs as intrusive body in the peninsular gneissic complex. The East - West trending dykes are productive in this Sector. The Black Granite found in the forest land is very rare in variety and unique displays pearly sheen against dark green back ground which is not yet identified in any non-forest lands. The Black Granite available in this area is very fine grained ground mass in texture. It is exported to within the state, Out of the states and other countries. As per as Granite mineral concern the nature of deposition, structure and other features influence the recovery of dimensional stone and commercial viability. The particular quality of Black Granite available in the Reserve Forest areas, it is not available in any Revenue lands and Patta lands. The quality and use of granite depend upon its granularity, colour, presence of structural elements, inclusion, brittleness, chemical and Mineralogical composition. This variety can't compare with other Granite varieties available in other places. Hence, there is a necessity to open the new quarries in the Reserve Forest areas and fetching more revenue to the Government ex chequer".</p>
5	Demand & supply of black granite.	::
6	Likely impact due to allowing the quarry projects in the forest area, Mitigation measures required for Conservation point of view etc.,	<p>It is submitted that the mitigation measures in accordance with the Forest (C) Act, 1980 and guidelines thereon, Wildlife Act, 1972, necessary Mitigation Measures will be taken up basing on the field conditions. Apart from this, most</p>

		of the forest area has presence of Schedule-I & II species, which has Conservation Value. Hence, mandatory Wildlife Mitigation, Soil Moisture Conservation be proposed as part of Forest (Conservation) Act, 1980 approval.
7	In respect of proposals for diversion of 4.98 Ha. of forest land in Compt No, 460 of Pachigunta RF, Chittoor East Range of Chittoor District for grant of quarry lease in favour of M/s Sweety Granites, (Proprietor: Sri. D. James) , the Ministry has requested information on (a) Whether the area for overburden dump is sufficient or not and (b) Approval mining plan for 20 years.	:: a) With respect to proposal for diversion of 4.98 Ha of forest land in Compt No. 460 of Pachigunta RF, it is submitted that 0.270 ha is proposed as area of waste dumping which is 5.42% of diverted area; it is proposed and approved in Mining Plan. It may be considered as sufficient. b) The Mining plan approved by the Dy. Director, Mines & Geology, Chittoor is enclosed herewith for reference.

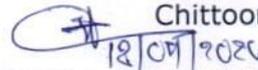
In this connection it is submitted that, as per the records available, the Dy. Director, Mines & Geology, Chittoor has furnished information from 2009 onwards (Forest land diverted cases). The details of mining projects approved by the GoI from time to time in Chittoor District as on 31.03.2024 is enclosed herewith for perusal. A copy of the references 3rd & 4th cited are enclosed herewith for ready reference.

This is submitted for favour of kind information and necessary action.

- Encl: 1. Approved Mining Plan  
2. Information on existing quarry projects (Both Forest & Non-Forest in Annx-I).  
3. References of Dy. Director, M&G, Chittoor, A.D. M&G, Chittoor & Palamaner.

Yours faithfully,

District Forest Officer,  
Chittoor.

  
18/07/2024

Copy submitted to the Prl Chief Conservator of Forests, (FCA), A.P., Mangalagiri for favour of kind information.

GOVERNMENT OF ANDHRA PRADESH  
DEPARTMENT OF MINES & GEOLOGY



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

To  
The District Forest Officer,  
Chittoor District.

Letter No.44/GEN/2019, Dated:29-03-2023

Sir,

Sub: Mines & Minerals - O/o the Dy. Director of Mines & Geology, Chittoor -  
Diversion of Forest Land in Chittoor District - Constitution of committee  
by the Gol MoEF & CC - Inspection of Mining Areas in Chittoor District -  
Availability of Black Granites both in Forest and Non-Forest Area -  
Information furnished - Submitted - Reg.

- Ref: 1) Rc.1968/2019/TO, Dt:21.03.2023 from the District Forest Officer,  
Chittoor.  
2) This office Memo.No.44/GEN/2019, Dt:24.03.2023.  
3) Lr.No.6356/Misc/2013, Dt:29.03.2023 of the ADM&G, Chittoor.  
4) Lr.No.966/E/2003, Dt:29.03.2023 of the ADM&G, Palamaner.

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I invite kind attention to the subject and references cited. Through the  
reference 1<sup>st</sup> cited, the District Forest Officer, Chittoor has requested this office to  
furnish the details of availability of black granites both in Forest and Non- Forest Area.  
Further, vide reference 2<sup>nd</sup> cited, this office has issued memo to the Assistant Director  
of Mines and Geology, Chittoor and Palamaner to furnished the above point wise  
information to District Forest Officer as requested him.

Through the reference 3<sup>rd</sup> & 4<sup>th</sup> cited, the Assistant Director of Mines and  
Geology, Chittoor & Palamaner has furnished the information to District Forest Officer  
Chittoor and copy marked to the under signee.

Hence, I am hereby forwarded the same information submitted by the Assistant  
Director of Mines and Geology, Chittoor & Palamaner to take necessary action.

Yours faithfully,

Deputy Director of Mines and Geology,  
CHITTOOR

Encl:- Ref 3<sup>rd</sup> & 4<sup>th</sup>

Copy submitted to the Director of Mines and Geology, Ibrahimpatnam for favour of  
information.

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GOVERNMENT OF ANDHRA PRADESH  
DEPARTMENT OF MINES & GEOLOGY

From

Sri P.Prakash Kumar, M.Sc.,  
Asst. Director of Mines and Geology,  
Chittoor.

To

The District Forest Officer,  
Chittoor.

Letter No.6356/Misc/2013, Dt.29-03-2023.

Sir,

Sub:- Mines and Quarries - Office of the Asst. Director of Mines and Geology, Chittoor - Diversion of Forest Land in Chittoor District - Constitution of committee by the Gol MoEF & CC - Inspection of Mining Areas in Chittoor District - Availability of Black Granites both in Forest and Non-Forest Area - Information Called for - Submitted - Regarding.

Ref:- Memo.No.44/GEN/2019, Dt.24-03-2023 of the Deputy Director of Mines and Geology, Chittoor.

-:oOo:-

I invite kind attention to the subject and reference cited. Through the reference cited, the Deputy Director of Mines and Geology, Chittoor while enclosing the District Forest Officer, Chittoor vide Rc.No.1968/2019/TO, Dt.21-03-2023 duly stated that furnish the point wise information at the earliest, for onward submission to the Gol, MoEF&CC, IRO, Vijayawada.

In this connection, I am herewith submitting the point wise information as detailed below:

Sl.No.	Point Wise	ADM&G Remarks
1.	Information of existing quarry projects in Chittoor District (in both forest and non-forest area)	It is submitted that, the prescribed information is herewith enclosed separately (Annexure - I).
2.	Status of compliance of Acts / Rules related to such quarry projects in the forest area for which approval accorded in the past.	It is submitted that the act and rules may be complied as per conservation act.
3.	Availability of black granite in Chittoor District (in both forest and non-forest area)	it is submitted that the production capacity of existing 16 Black Granite quarry leases having 79,879 Cbm per annum, hardly getting 12,500 cbm of Black Granite only. Nearly 350 - 400 Granite cutting and polishing industries have been established in Chittoor District and also coming up new industries day by day. (All these factories depended on nearby Quarries for raw material. At present all granite quarry owners are using wire saw machines, rock breaking powder for excavation of Granite blocks that would support to minimize air pollution and sound pollution. In order to meet the present demand of this variety (G-20 Black Granite) the exploitation of new areas are also necessary.)

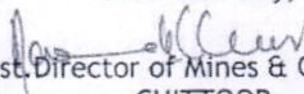
21-18

4.	Need / necessity for opening of new quarry in the forest area	It is submitted that generally the Black Granite (Dolerite dykes) occurs as intrusive body in the peninsular gneissic complex. The East - West trending dykes are productive in this Sector. The Black Granite found in the forest land is very rare in variety and unique displays pearly sheen against dark green back ground which is not yet identified in any non-forest lands. The Black Granite available in this area is commercially marketed as G-20 due to it's very finegrained ground mass in texture. It is exported to Italy, Taiwan and Germany and fetches good revenue to Government. As per as Granite mineral concern the nature of deposition, structure and other features influence the recovery of dimensional stone and commercial viability. Further it is observed that the particular quality of Black Granite available in the Reserve Forest areas, it is not available in any Revenue lands and Patta lands. This G-20 variety in Black Granite is not available anywhere in the state except Chittoor District. The quality and use of granite depend upon its granularity, colour, presence of structural elements, inclusion, brittleness, chemical and Mineralogical composition. This variety can't compare with other Granite varieties available in other places. Hence, there is a necessity to open the new quarries in the Reserve Forest areas and fetching more revenue to the Government ex-chequer.
5.	Demand & Supply of black granite	
6.	Likely impact due to allowing the quarry projects in the forest area, Mitigation measures required for Conservation point of view etc.,	It is submitted that the mitigation measures in accordance with the Forest conservation act and rules inforce.
7.	In respect of proposals for diversion of 4.82 Hectares of forest land in C.No.227 of Basavapalli R.F, Chittapara beat, Chittoor District for grant of quarry lease in favour of M/s Sri Vaishnavi Granites, (Prop: Smt Edavapalli Akhila) Hyderabad, the Ministry has requested information on (a) Whether the area for overburden dump is sufficient or not and (b) Approval mining plan for 2 years.	It is submitted that the waste rock mixed with soil and the Granite waste will be stocked over an extent of 7593 Sq.mts and to a height of 15 to 18 Mts in the Western side of the proposed area as per mining plan approved by the Deputy Director of Mines and Geology, Chittoor vide Lr.No.122/MMP/BG/CTR/2022, Dt.27-01-2022 for period of 05 years.

This is submitted for favour of kind information and taking further necessary action in the matter.

Yours faithfully,

Encls: As above

  
Asst. Director of Mines & Geology,  
CHITTOOR.

Copy submitted to the Deputy Director of Mines and Geology, Chittoor.

**ANNEXURE - I**  
**STATEMENT SHOWING THE LIST OF MANDAL WISE EXISTING BLACK GRANITE QUARRY LEASES PERTAINS TO OFFICE OF THE ASST.DIRECTOR OF MINES AND GEOLOGY, CHITTOOR**

Sl. No	Lessee ID No.	Name & address of the lessee	Mineral	Extent	Sy.No.	Village	Mandal	File No	Category of Land	Lease Period		Status of Lease
										From	To	
1	1011130008	D.Sashibhushan, S/o Late D.C.Naidu, D.No.192, L.S.Nagar, Near S.V.Dairy Farm, Tirupati, Chittoor Dist.	B.G	1.861	123	Keeramanda	Bangarupalem	6204/Q2/11	Non-Forest Land	16-Feb-2013	15-Feb-2033	Non-Working
2	1011130009	M/s Gayathri Enterprises, Prop:Sri T.S.Jaya Kumar, S/o.T.K.Subramanyam, 2/166, Kalidas Road, Ram Nagar, Coimbatore - 641 009, Tamil Nadu. (Transfer from M/s.Harish Granites). Renewal applied on 02-12-13	B.G	0.462	56	K.M.Kandriga H/o.E.kanthala cheruvu	Bangarupalem	4898/TQL/2012	Non-Forest Land	28-Nov-2013	23-Feb-2014	Non-Working (Renewal Filed)
3	1011080014	M/s.Vishnu Granites, Mg.Partner:Sri. Y.Ramnarayan Reddy, Mahal Village & Post, Kalikiri Mandal, Chittoor Dist	B.G	4.500	209	Ragimanupenta R.F, Chittoor West Division	Bangarupalem	5731/RQL/2017	Forest Land	29-Oct-2018	28-Oct-2038	Non-Working
4	1011070016	M/s.Jyotheeswaram Granites, Prop:B.Perumal, Gundivandala Vooru, 155 Kammapalli Post, Yadamari Mandal, Chittoor District	B.G	2.250	209	Ragimanupenta R.F, Chittoor West Division	Bangarupalem	6811/RQL/2016	Forest Land	26-Jul-2017	25-Jul-2037	Working
5	1011090017	M/s Sri Sai Rocks, Prop:V.Ravi, 19-240/21, Near Vignana Deepthi High School, Mittoor Extension, Chittoor District.	B.G	5.000	209	Ragimanupenta R.F, Chittoor West Division	Bangarupalem	1881/Q/07	Forest Land	12-Mar-2009	11-Mar-2019	Working (Renewal Filed)
6	1011020726	M/s.Sri Ganapathi Granites, Prop:M.Prathap Reddy, 2-1282, B.V.Reddy Colony, Chittoor (Renewal)	B.G	5.000	56	E.K.Cheruvu	Bangarupalem	5187/Q/2001	Non-Forest Land	20-Mar-2002		Non-Working (Renewal Filed)
7	1011120006	M/s.Guniganti Mines & Minerals Pvt Ltd, Director: Sri P.Laxmikantha Rao, S/o.P.Booma Rao, D.No.1-4-200/161/C, Sainikapuri, Hyderabad (Transfer from M/s Sri Sukracharya Minerals)	B.G	7.000	193	Keeramanda	Bangarupalem	2620/TQL/2014	Non-Forest Land	17-Jul-2014	29-Aug-2032	Non-Working
8	1011060012	T.Shanmugham, No. 225, Pillayar Koil Street, Pandya Nagar, Gudiyatham, Tamilnadu	B.G	1.000	44	Mogili Venkatagiri	Bangarupalem	4362/Q/05	Non-Forest Land	4-Jan-2006	3-Jan-2026	Non-Working
9	1011190947	M/s Sri Jyotheeswaram Granites, Prop: Sri B.Bajalingam, Gondivandaluru Village, 155, Kammapalli Post, Yadamari Mandal, Chittoor District, A.P.,	B.G	3.690	205 & 216	Ragimanupenta & Paradaram Reserve Forest	Bangarupalem & Yadamari	7502/Q2/2011	Forest Land	26-Aug-2019	25-Aug-2039	Working
10	1011050025	M/s.Madhu Granites, Prop:Sri M.Ravindra Babu, 3rd Main Road, 2nd Street, Bharathi Nagar Extension, Vellore District, Tamil Nadu	B.G	4.008	169 & 1	Bandapalli & Chintalagunta	Chittoor	367/Q/2005	Non-Forest Land	15-Apr-2005	14-Apr-2025	Working
11	1011090027	M/s Sri Sai Krishna Granites, Mg.Pt.V.Venkateswara Reddy, Plot No.1, Subbareddy Towers, Anjaiah Road, Ongole, Prakasam District	B.G	1.940	60	Mapakshi	Chittoor	4148/Q/07	Non-Forest Land	28-Mar-2009	27-Mar-2029	Working

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Sl. No	Lessee ID No.	Name & address of the lessee	Mineral	Extent	Sy.No.	Village	Mandal	File No	Category of Land	Lease Period		Status of Lease
										From	To	
12	1011070033	M/s Sakku Granites, Prop.B.Jayalalitha W/o.B.D.Nandagopal .N.H.4.Madras -Bangalore Bye pass Road Iruvaran (Post) Chittoor	B.G	2.000	130	Peddasettipalli	Chittoor	1610/Q/06	Non-Forest Land	19-Apr-2007	18-Apr-2027	Non-Working
13	1011080043	K.Ramesh. S/o Kannasah, E.Kanthala Cheruvu (Vg), Ragimanupenta Post, Bangarupalyam (M), Chittoor District.	B.G	1.000	147	Thummina	Chittoor	1992/Q/06	Non-Forest Land	30-Oct-2008	29-Oct-2028	Non-Working
14	1011120045	M/s Balaji Granites, Prop:Sri Y.Vishnu Reddy, Mahal Village & Post, Kalikiri Mandal, Chittoor District, A.P - 517 235	B.G	1.000	110/3	Thummina	Chittoor	4466/Q2/10	Non-Forest Land	21-Jun-2012	20-Jun-2032	Non-Working
15	1011100042	M/s.Sree Vyshnavi Granites, Prop: Smt M.Sailaja, W/o.M.Chandra Sekhar Babu, D.No.4-21, 60 Feet Road, Near Meenakshi Hospital, Ongole, Prakasam District (Transfer from M/s.Deepa Granites, Proptx:Smt P.Suranya)	B.G	1.882	1133/P	Thenabanda	Chittoor	5707/TQ1/2019	Non-Forest Land	12-Jan-2015	20-Jan-2028	Working
16	1011180868	M/s.Jayasree Industries, Prop:Sri A.M.Vinoth, D.No.4-483, C.B.Road, Greampet, Chittoor	B.G	4.900	233 & 234	Santhapeta R.F	Chittoor	5162/Q3/2007	Forest Land	18-Apr-2018	17-Apr-2038	Working
17	Not Arise	Sri D.Murali. S/o.D.Kannaiah Naidu, D.No.28-597, Ganganapalle Village, Chittoor - 517 001.	B.G	0.978	511 (Old Sy.No.97)	Ananthapuram	Chittoor	212/Q2/2009	Non-Forest Land	7-Feb-2019	6-Feb-2039	Non-Working
18	1011050055	M/s. S.V.Granites Prop, Sri K.Subramanyam, Bandapalli (Vg), Reddigunta Post, Chittoor Dist.	B.G	1.000	123	Anupalli	Chittoor	3480/Q/2003	Non-Forest Land	11-Apr-2005	10-Apr-2025	Non-Working
19	1011070035	M/s.Devinarayana Granites Ltd, Director:N.Mahesh, No.2, Link Street, 2nd Floor, IV Main Road, Kottur Gardens, Chennai - 85	B.G	4.801	1115/4, 1116/2, 1117/2 & 1119/1&2	Thenabanda	Chittoor	751/Q/07	Non-Forest Land	27-Aug-2007	26-Aug-2027	Non-Working
20	1011190972	M/s.Vetri Granites, Prop: Sri K.S.Ramesh Babu, H.No.3-641, Gandla Street, Greampete, Chittoor - 517 001.	B.G	0.978	510 (Sy.No.97)	Ananthapuram	Chittoor	4952/Q2/2008	Non-Forest Land	7-Feb-2019	6-Feb-2039	Working
21	1011070034	M/s.Devinarayana Granites Ltd, Director:N.Mahesh, No.2, Link Street, 2nd Floor, IV Main Road, Kottur Gardens, Chennai - 85	B.G	1.460	1113/1&2, 1114/4	Thenabanda	Chittoor	2899/Q/07	Non-Forest Land	27-Aug-2007	26-Aug-2027	Non-Working
22	1011060085	M/s.Delhi Granites Sri R.Devarajulu Naidu, S/o. R.Doraswamy Naidu, Reddivaripalli (vg), tirumalaiahpalli (Post), Vedurukuppam (M), Chittoor district	B.G	0.809	579	Velkur	G.D.Nellore	3801/Q/05	Non-Forest Land	29-Apr-2006	28-Apr-2026	Non-Working
23	1011120082	Sri G.K.Devarajulu Naidu, S/o.G.Siddama Naidu, Bobbiganipalli Village, Nellopalli Post, G.D.Nellore Mandal, Chittoor District	B.G	1	680/3B & 681	Nellopalli	G.D.Nellore	1859/Q2/12	Non-Forest Land	5-Mar-2012	4-Mar-2032	Working
24	1011100076	P.Vijaya Bhaskar, S/o D.Chinnabba, D.No.22-961, Moriganipalli, Chittoor	B.G	0.900	114/1 Part & 113/1P	Bukkapatnam	G.D.Nellore	4414/Q/09	Non-Forest Land	25-Jan-2010	24-Jan-2030	Non-Working

Sl. No	Lessee ID No.	Name & address of the lessee	Mineral	Extent	Sy.No.	Village	Mandal	File No	Category of Land	Lease Period		Status of Lease
										From	To	
25	1011040711	M/s.G.K.Granites & Exports, Proptx:Smt R.Aruna, Shed No.F-13, Auto Nagar, Industrial Estate, Chittoor	B.G	2.000	134/P	Thugundram	G.D.Nellore	5467/Q/2002	Non-Forest Land	12-May-2004	11-May-2024	Non-Working
26	1011040079	M/s. Sai Priya Tirumala Enterprises, Prop: Sri P.Venkata Muni Prasad, D.No. 2-1232, OGK Buildings, L.N.Colony Road, Chittoor.	B.G	3.000	293 & 701	Peddakaluva & Kotrakona	G.D.Nellore	4897/Q/03	Non-Forest Land	28-Sep-2004	27-Sep-2024	Working
27	1011140296	M/s.Pooja Granites & Minerals, Prop:Sri K.S.Sridhar, S/o.K.Shanmugham, Anupalli (Vg), Gangasagaram Post, Chittoor (M) & Dist. Transfer from V.Anbu	B.G	1.000	288	Ambodarapalli	G.D.Nellore	7381/TQI./2013	Non-Forest Land	16-Apr-2014	27-Aug-2027	Working
28	1011080086	G.Prasad, S/o.G.Doraswamy, D.No.28-632, Ganganapalli, Chittoor. Transfer from Sri B.Seshadri	B.G	1.000	139	Vepanjeri	G.D.Nellore	7216/TQI./2011	Non-Forest Land	24-Nov-2014	29-Oct-2028	Working
29	1011180945	M/s.S.M.G.Granites, Mg.Pt: Sri S.Niyamuthulla, D.No.4-314, Balaji Nagar Colony, Greampet, Chittoor, A.P.,	B.G	2.524	556/5	Vinjam	G.D.Nellore	3605/Q1/2011	Non-Forest Land	30-Oct-2018	29-Oct-2038	Working
30	1011160832	P.Gowtham Reddy, S/o.Suryanarayana Reddy, Door.No. 4-2062/10, Siddarth Nagar, Opp.P.V.K.N Degree College, Vellore Road, Chittoor.	B.G & C.G	8.099	107 P & 13 P	Ambodarapalli & Pathapalem	G.D.Nellore	3262/Q2/2012	Non-Forest Land	3-Sep-2016	2-Sep-2036	Non-Working
31	1011060096	D.Siva Kumar, S/o.Dayalan, Ward 2 & 3, Middle Street, Elayanarkuppam (Vg & P), Viluppuram - 605 802, T.N. (Transfer Q.L from M/s.Sri Raghavendra Granites, Prop: Sri R.Sivasankar Reddy)	B.G	1.000	556/5P	Vinjam	G.D.Nellore	6338/TQI./2014	Non-Forest Land	24-Feb-2015	9-Aug-2026	Non-Working
32	1011050095	D.Siva Kumar, S/o.Dayalan, Ward 2 & 3, Middle Street, Elayanarkuppam (Vg & P), Viluppuram - 605 802, T.N. (Transfer Q.L from M/s.Sri Raghavendra Granites, Prop: Sri R.Sivasankar Reddy)	B.G	1.000	556	Vinjam	G.D.Nellore	6337/TQI./2014	Non-Forest Land	24-Feb-2015	29-Apr-2025	Non-Working
33	1011060084	K.Sailaja, M/s.Pallava Granites, Industries (India) Pvt Ltd, No.19, Sri ram Nagar, North St, Alwarpet, Chennai - 18	B.G	3.462	388/A	Varathur	G.D.Nellore	111/Q/2006	Non-Forest Land	2-Nov-2006	1-Nov-2026	Non-Working
34	1011060085	M/s.Dilli Granites Sri R.Devarajulu Naidu, S/o.R.Doraswamy Naidu, Reddivaripalli (vg), tirumalaiahpalli (Post), Vedurukuppam (M), Chittoor district	B.G	0.809	579	Velkur	G.D.Nellore	3801/Q/05	Non-Forest Land	29-Apr-2006	28-Apr-2026	Non-Working
35	1011080124	P.Rajasekhar Naidu, S/o P.Ramaswamy Naidu, 25/468, Reddigunta Post, Chittoor -2	B.G	3.000	313	Thimmepalli	Gudipala	2998/Q/06	Non-Forest Land	7-Nov-2008	6-Nov-2028	Non-Working
36	1011060131	J.Eswar Babu, S/o.B.Jayadu, Pasumanda (Vg), Gudipala (M), Chittoor Dist	B.G	1.000	44/1	Pasumanda	Gudipala	3466/Q/04	Non-Forest Land	29-Nov-2006	28-Nov-2026	Non-Working

Sl. No	Lessee ID No.	Name & address of the lessee	Mineral	Extent	Sy.No.	Village	Mandal	File No	Category of Land	Lease Period		Status of Lease
										From	To	
37	1011150741	M/s Vishwapriya Exports, G. Nanda Kumar, S/o Guruswamy Naidu, Nanda, 9, #61/2, 5th Floor, 29th A' Cross, 10th Main, Geetha Colony, 4th Block, JayaNagar, Bangalore -560 011, Karnataka State	B.G	2.000	44	Pasumanda	Gudipala	2326/Q/2008	Non-Forest Land	12-Jun-2015	11-Jun-2035	Non-Working
38	1011150795	M/s Rinu Enterprises, Mg.Partner:Sri P.Ravi Kumar, S/o.P.Palani Swamy, No.15, G1 Block, Ramaswamy Street, Dbeetshidar Nagar, Hastinapuram, Chennai - 64	B,G & C,G	1.958	549 (Old Sy.No.344)	Naragallu	Gudipala	8784/Q2/2013	Non-Forest Land	29-Dec-2015	28-Dec-2035	Non-Working
39	1011070098	M/s.Zion Stones, Prop.C.Samson, Basavapalli (Vg). Naraharipeta (P), Chittoor	B.G	3.000	365/1, 367/9	Basavapalli	Gudipala	2215/Q/06	Non-Forest Land	8-Feb-2007	7-Feb-2027	Working
40	1011040267	M/s.Ravi Granites, Prop.A.C.Suryanarayana Reddy, Gokulam, Plot.No.308, Durganagar Colony, D.No.2039/3NA, Chittoor (Transferred from M/s. Bharath Granites Prop: T.Govindan )	B.G	1.000	Gap Area	Gudipala	Gudipala	3883/Q/06	Non-Forest Land	27-Dec-2004	26-Dec-2024	Working
41	1011050269	M/s.Ravi Granites, Prop:A.C.Suryanarayana Reddy, Gokulam, Plot.No.308, Durganagar Colony, D.No.2039/3NA, Chittoor (Transferred from M/s. Hanuman Granites, Proptx: Smt A.Kusuma)	B.G	1.000	Gap Area	Gudipala	Gudipala	3882/Q/06	Non-Forest Land	21-Jan-2005	20-Jan-2025	Non-Working
42	1011100003	M/s.Sri Venkatasai Granites, Mg.Pt: Smt P.Amruthavalli, Sy.No.589, 290/3, Basavapalli Village, Naraharipeta Post, Gudipala Mandal, Chittoor District - 517 132. (Transfer QL from M/s. Stone Plus Prop:Sri S.Jogendra )	B.G	4.000	92/1	Kuppiganipalle	Gudipala	3302/TQL/2019	Non-Forest Land	1-Sep-2010	31-Aug-2030	Working
43	1011130268	M.Tamilalagan, S/o.Late R.Muthalagan, D.No.2-342, Chinnavathalapuram Village, Moongil Madugu Post, Pennagaram Taluk, Dharmapuri District, Tamil Nadu. Transfer from M/s.Lakshmi Granites, Prop:V.Parthasarathi Naidu	B.G	1.000	Gap Area	Gudipala	Gudipala	3960/TQL/2012	Non-Forest Land	28-Nov-2013	22-Jul-2028	Working
44	1011080103	M/s.Sri Venkatasai Granites, Mg.Pt: Smt P.Amruthavalli, Sy.No.589, 290/3, Basavapalli Village, Naraharipeta Post, Gudipala Mandal, Chittoor District - 517 132. (Transfer QL from M/s. Stone Plus Prop:Sri S.Jogendra )	B.G	4.858	92/IP	Kuppiganipalle	Gudipala	3303/TQL/2019	Non-Forest Land	23-Aug-2009	22-Aug-2029	Working
45	1011120104	M/s.Sri Venkatasai Granites, Mg.Partner:Smt P.Amruthavalli, D.No.4-1895/A, "C" Block, Durga Nagar Colony, Chittoor. Transfer from M/s.S.B.R.S Granites	B.G	1.761	92/1	Kuppiganipalle	Gudipala	1186/TQL/12	Non-Forest Land	29-Aug-2012	19-Dec-2023	Working
46	1011100106	M/s. Rama Granites Proptx: Smt P.Yasodamma, No. 25/468, Reddigunta (P), Chittoor	B.G	3.000	92/1	Kuppiganipalle	Gudipala	6788/RQL/09	Non-Forest Land	9-Feb-2010	8-Feb-2030	Working

Sl. No	Lessee ID No.	Name & address of the lessee	Mineral	Extent	Sy.No.	Village	Mandal	File No	Category of Land	Lease Period		Status of Lease
										From	To	
47	1011070107	M/s.Sama Granites, Partner:Azmal, D.No.8-258, Rangachari Street, Chittoor (Transfer from Smt. G. Nalini Jayanthi M/s. Sri Shiridhi Sai Granites )	B.G	1.789	92/1	Kuppiganipalle	Gudipala	5225/Q/05	Non-Forest Land	17-Mar-2004	16-Mar-2025	Non-Working
48	1011070108	M/s.Sri Venkatasai Granites, Mg.Pt: Smt P.Amruthavalli. Sy.No.589, 290/3, Basavapalli Village. Naraharipeta Post, Gudipala Mandal, Chittoor District - 517 132. (Transfer QL from M/s. Stone Plus Prop,Sri S.Jogendra )	B.G	2.000	92/1	Kuppiganipalle	Gudipala	3304/TQL/2019	Non-Forest Land	23-Aug-2007	22-Aug-2027	Working
49	1011060105	M/s.Sai Krishna Granites, Mg.Partner:Sri K.Chengal Rayan, D.No.4-1765, Durga Nagar Colony, Greampet, Chittoor. (Transfer from M/s.Maruthi Rocks, Prop:M.Hanumathappa).	B.G	1.000	92/1	Kuppiganipalle	Gudipala	1596/TQL/11	Non-Forest Land	22-Aug-2006	9-Jun-2025	Working
50	1011100109	Subash Jamad S/o. B.R.Jamad, Raja Annamalai Road, Puraswalakkam, Madras - 84	B.G	4.500	344	Naragallu	Gudipala	6821/Q/09	Non-Forest Land	28-Jun-2010	27-Jun-2030	Working
51	1011120112	M/s.Manjula Granites, Prop:Sri C.Chandiran, S/o.Chinna Raman, 9A Vinayagar Koil Street, Sungalnatham Post, Dharmapuri District, T.N. (Transfer from M/s. Royal Granites Prop: P.Prabaskumar Reddy)	B.G	1.796	344	Naragallu	Gudipala	8830/TQL/12	Non-Forest Land	12-Sep-2012	2-Jan-2025	Working
52	1011100114	M/s.Raja Granites, Prop:Sri P.Rajasekhar Naidu, D.No.25/468, Reddigunta, Chittoor	B.G	1.000	344	Naragallu	Gudipala	3487/RQL/10	Non-Forest Land	28-Oct-2010	27-Oct-2030	Non-Working
53	1011120118	M/s.Sri Venkatasai Granites, Mg.Partner:Smt P.Amruthavalli, D.No.4-1895/A, "C" Block, Durga Nagar Colony, Chittoor. Transfer from M/s.Karthik Raja Exports, Prop.R.Shanmugam.	B.G	5.364	44/1	Pasumanda	Gudipala	5635/TQL/11	Non-Forest Land	1-Apr-2012	16-Sep-2030	Working
54	1011070119	M/s.Murugan Granites Prop:S.Rajendra Reddy D-No.4- 2178, Opp.GovtDairy,VelloreRoad, Chittoor (1st Renewal) on 23-08-07	B.G	0.566	44/1	Pasumanda	Gudipala	1165/Q/07	Non-Forest Land	10-Jun-2007	9-Jun-2027	Non-Working
55	1011070120	M/s Sri Santhi Granites, Mg.Pt:V.R.Subramaniam, Anupu Village, Gudipala Mandal, Chittoor District.Transfer from (M/s G.K.Granites, Prop:C.Srinivasulu)	B.G	4.048	44/1	Pasumanda	Gudipala	6975/Q/08	Non-Forest Land	7-Oct-2007	6-Oct-2027	Non-Working
56	1011100121	M/s. Rama Granites Proptx: Smt P.Yasodamma, No. 25/468, Reddigunta (P), Chittoor	B.G	1.000	387/8	Ramapuram	Gudipala	6787/Q/09	Non-Forest Land	9-Feb-2010	8-Feb-2030	Working
57	1011040123	M/s. Bhagyalakshmi Granites Mg.pt. Sri G.Dhananjaya Naidu, Muthukuru Palli (Vg). Gudipala (M), Chittoor District.	B.G	2.680	56	Thimmepalli	Gudipala	3976/Q/04	Non-Forest Land	29-Dec-2004	28-Dec-2024	Working
58	1011150728	M/s. Sai Sonu Granites Prop: Sri V.Partha Sarathi Naidu, D.No.4/188, Balaji Nagar Colony, Greampet, Chittoor	B.G	4.900	456	Basavapalli R.F CTR East Division	Gudipala	1999/Q2/2006	Forest Land	20-Feb-2015	23-Sep-2023	Working
59	1011150758	M/s.Harish Granites ,Prop,B.D.Nandagaopal ,D.No.25/527-A.Madras-Bangalore By pass, Inuvaram,Chittoor.	B.G	4.000	222	Chittapara R.F., Chittoor West Division	Gudipala	1172/Q2/2007	Forest Land	15-Oct-2015	14-Oct-2025	Working

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Sl. No	Lessee ID No.	Name & address of the lessee	Mineral	Extent	Sy.No.	Village	Mandal	File No	Category of Land	Lease Period		Status of Lease
										From	To	
60	1011100110	M/s.Manjula Granites, Prop:Sri C.Chandiran, S/o.Chinna Raman, 9A Vinayagar Koil Street, Sungalnatham Post, Dharmapuri District, T.N. (Transfer from M/s.Sree Suryam Granites)	B.G	1.000	344	Naragallu	Gudipala	7536/TQL/2012	Non-Forest Land	16-Oct-2015	18-Jun-2030	Working
61	1011050113	M/s.Manjula Granites, Prop:Sri C.Chandiran, S/o.Chinna Raman, 9A Vinayagar Koil Street, Sungalnatham Post, Dharmapuri District, T.N. (Transfer from M/s.Sree Suryam Granites)	B.G	1.000	344	Naragallu	Gudipala	7537/TQL/2012	Non-Forest Land	16-Oct-2015	24-Jul-2025	Working
62	1011160793	M/s Vishnu Granites & Exports, Prop: Sri C. Vishnu Swaroop, 20-1064, Co-operative Colony, Cuddapah	B.G	4.800	457	Basavapalli R.F CTR East Division	Gudipala	3229/Q2/2002	Forest Land	9-May-2016	8-May-2036	Working
63	1011140128	M/s Sri Ra Granites, Mg.Partner: Sri M.Ramesh Kumar, S/o Late M.Bairaiiah, No.39/A, Mathrusree, 2nd Main, 3rd Stage Bangalore - 79. (Transfer from M/s R.K.Granites, Prop: Sri P.Ravi Sankar Reddy)	<del>B.G</del>	1.000	<del>344</del>	Naragallu	Gudipala	2079/TQL/2016	Non-Forest Land	12-Aug-2016	13-Nov-2025	Working
64	1011200956	M/s Raj Granites, Prop: Sri C.R.Thyagaraja Naidu, S/o.C.Ramachandra Naidu, D.No.14/217, Ganga Nilayam, Palace Road, Kuppam, Chittoor District - 517 425	B.G	3.970	456	Bomimasamudram Beat, Basavapalli R F	Gudipala	1998/Q2/2006	Forest Land	29-Apr-2020	28-Apr-2040	Working
65	Not Arise	M/s.Bhargav Granites, Prop: Smt C.Nagalakshmi, W/o.Sri C.Krishna Reddy, D.No.1-564, Reddy Street, Kattamanchi, Chittoor District	B.G	2.000	344	Naragallu	Gudipala	32/Q2/2008	Non-Forest Land			Non-Working
66	1011060099	P.A.Nagaraj, S/o P.S.Annaiah, No.493, 10th Cross, Upper Palace, Orchards, Sadasiva Nagar, Bangalore.	B.G	2.000	399	Chittapara	Gudipala	54/Q/06	Non-Forest Land	23-Jun-2006	22-Jun-2026	Non-Working
67	1011050111	S.Usha Raj, W/o. K.Sundar Raj, 7/1, I.T.I, Road, Tharapedavedu, Katpadi, Vellore.	B.G	1.500	344	Naragallu	Gudipala	206/Q/05	Non-Forest Land	15-Feb-2005	14-Feb-2025	Non-Working
68	1011070127	M/s.Bhagyalakshmi Granites, Pt.G.Manohar Naidu,s/o.Varadaiah Naid Kothur (V), Papichettipalli(M), Chittoor Dist	B.G	6.000	511 & 454	Mogaralapalli & Cheelapalli	Gudipala	4368/Q/2006	Non-Forest Land	17-Apr-2007	16-Apr-2027	Non-Working
69	Not arise	M/s.Sri Venkatasai Granites, Mg.Pt: Smt P.Amuthavalli, Off Address: Sy.No.289 & 290/3, Basavapalli Village, Naraharipeta Post, Gudipala Mandal, Chittoor - 517 132.	B.G	4.643	272 (Old Sy.No.92/1) & 273 (Old Sy.No.44/1)	Kuppiganipalle & Pasumanda	Gudipala	395/Q2/2017	Non-Forest Land	5-Mar-2022	4-Mar-2042	Recently Executed
70	Not arise	Sri P.Venkatesulu Reddy, S/o Late P.Rudrappa Reddy, D.No.2-85/1, Gurunagar Colony, Chittoor District	B.G	3.860	548 (Old Sy.No.344)	Naragallu	Gudipala	1458/Q2/2011	Non-Forest Land	11-Mar-2022	10-Mar-2042	Recently Executed
71	1011040137	M/s Adithya Granites (P)Ltd, Director: G.Maheswari, D.No. 14-492, New Kayanakattu street, Chittoor.	B.G	1.000	935	Pullur	Irala	5346/Q/03	Non-Forest Land	24-May-2004	23-May-2024	Non-Working

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										From	To	
72	1011130140	R.Suvarna, W/o.C.K.Nagaraju, No.121, Shrihari Nivasa, Brindavan Nagar, Kanakapura, Ramanagara District, Karnataka - 562 117.. Transfer from M/s.Sri Sai Granites, Prop:N.Shyamaraju	B.G	1.761	821/1 (Old Sy.No.785)	Puthramaddi	Irala	1794/TQL/2014	Non-Forest Land	15-Dec-2014	24-Nov-2033	Non-Working
73	1011110135	M/s L.V.R.Dong - In- Granite Company, Director:Sri L.R.Siva Prasad, No 7, 1st Floor, Seshadri Road, Alwarpet, Chennai - 600 018	B.G	2.000	935	Pullur	Irala	6788/Q/2010	Non-Forest Land	1-Dec-2010	30-Nov-2030	Working
74	1011100138	N.Sunitha, W/o.N.Srinivasa Raju, Shyamarajapuram (Vg), Karlagatta Post, Santhipuram Mandal, Chittoor Dist	B.G	1.440	785	Puthramaddi	Irala	4356/Q/09	Non-Forest Land	26-May-2010	25-May-2030	Working
75	1011130139	V.Bhaskar Naidu, S/o V.Seshaiah Naidu, Diguvamagham Village & Post, Thavanampalli Mandal, Chittoor District	B.G	3.139	785/P, 818/5 & 8'9 (Old Sy.No.785)	Puthramaddi	Irala	7127/Q2/2010	Non-Forest Land	24-Aug-2013	23-Aug-2033	Working
76	1011080144	M/s.Geo-Source Commodities (P) Ltd., Director:Sri.P.J.Rajesh, State Office BMR Gardens, Ganganapalli, Chittoor. (Transfer from M/s.Geosource Commodities (P) Ltd., Director: Sri A.M.Arunachalam)	B.G	2.000	885/P	Kanipakam	Irala	580/TQL/2022	Non-Forest Land	11-Jan-2008	10-Jan-2028	Working
77	1011130146	M/s.Sai Ganapathi Granites, Proptx:Smt L.Mamatha, W/o.L.Poornachandra Reddy, Plot No.69, Industrial Estate, Chittoor Transfer from M/s Sri Ganapathi Granites, Partner:Sri P.Srikanth	B.G	1.957	885 & 923/3 & 923/6 (Old Sy.No.885)	Kanipakam	Irala	115/A2/2013	Non-Forest Land	2-May-2013	29-Jul-2027	Working
78	1011120147	M/s Sri Ganapathi Granites, Pt.Sri P.Srikanth, Vavilthota(V) & (P), Puthalapattu (M), Chittoor Dist.	B.G	2.000	923/5, 923/10 & 924/1 (Old Sy.No.885)	Kanipakam	Irala	4397/Q2/10	Non-Forest Land	19-Apr-2012	18-Apr-2032	Non-Working
79	1011070143	M/s Sri Sai Priya Thirumala Rock, Reg.Office: D.No.4-1812, Opposite to Durga Public School, Durga Nagar Colony, Chittoor - 517 002, A.P. (Transfer Q.L. From Sri A.M.Arunachalam)	B.G	2.000	885	Kanipakam	Irala	3225/TQL/2016	Non-Forest Land	21-Jul-2016	9-Aug-2026	Working
80	1011080136	M/s Madhucon Granites Ltd., H.No.1-7-70, Madhu Complex, Khammam -507 003 - Transfer from M/s.Vasudha Granites. Renewal applied on 26-10-13	B.G	2.000	935	Pullur	Irala	7966/RQL/2013	Non-Forest Land	8-Jun-2017	20-Oct-2034	Working
81	1011070141	M/s. Sai Harsha Granites Prop: Capt K.Venugopal D.No. 30, Brindavan Colony, Nizampet road, Kukatapalli, Hyderabad	B.G	1.000	8/4	Chigarapalli	Irala	351/Q/05	Non-Forest Land	25-May-2007	24-May-2027	Working
82	1011070142	Sri.A.M.Arunachalam, S/o.A.R.Muthaiah, D.No.14D, Malar Karpagam Apartments, Vedantha Desikar Street, Pelathope, Mylapore, Chennai - 600004 Transfer from M.Thygarajan Naidu - 19-07-06	B.G	1.000	885	Kanipakam	Irala	480/Q/07	Non-Forest Land	19-Jul-2007	3-Mar-2026	Non-Working

Sl. No	Lessee ID No.	Name & address of the lessee	Mineral	Extent	Sy.No.	Village	Mandal	File No	Category of Land	Lease Period		Status of Lease
										From	To	
83	1011221032	M/s Sri Sai Priya Tirumala Rocks, Mg.Pt: Sri P.K.Ravichandran, D.No.3/65, Tiruvanampalli, Bommasamudram, Kanipakam, Irala Mandal, Chittoor District - 517 131.	B.G	4.261	984 (Old Sy.No.885)	Kanipakam	Irala	6163/Q1/2019	Non-Forest Land	23-May-2022	22-May-2042	Recently Executed
84	1011120152	M.Abhilesh Gupta, S/o.Mahavir Prasad Gupta, Aspen BOZ, TATA Sherwood, Basavanagar Main Road, Marthahalli Post, Bangalore - 37 (Transfer from Sri K.Mani Naidu)	B.G & C.G	3.476	70	Karvetinagaram	Karvetinagar	2784/TQL/2014	Non-Forest Land	2-Jun-2015	6-Nov-2032	Non-Working
85	1011120154	M/s.Shahanaa Granites, Mg.Partner:Sri K.Arunugam, No.2/638, Nakkiran Salai, Mugappa East, Chennai - 600 037, Tamil Nadu. (Transfer from Sri. K. Chakrapani).	B.G	3.000	51	Lakshmirajupeta	Karvetinagar	4081/TQL/12	Non-Forest Land	5-Mar-2012	4-Mar-2032	Non-Working
86	1011090746	M.Jagannadhan, S/o P.Muthuswamy, No.3, Bagyathammal Nagar, 1st Cross Street, Padi Post, Chennai - 50, Tamil Nadu	B.G	12.000	204	R.K.V.B.Peta	Karvetinagar	2447/Q/08	Non-Forest Land	28-Mar-2009	27-Mar-2029	Non-Working
87	1011090156	K.R.Satheesh Kumar, Prop:M/s Raj Rocks Industries, D.No.9/1, C.K.Srinivasa Rao Street, Dharmapur - 636 701, Tamil Nadu State	B.G	4.470	240	Thirumalakonda Mambagaripeta 73	Karvetinagar	1872/Q/07	Non-Forest Land	19-Feb-2009	18-Feb-2029	Working
88	1011080157	M/s Nagabhushana Granites, Prop:Ch.Srikanth, Industrial Estate, Renigunta, Tirupathi	B.G	1.000	140/9	Surendranagaram	Karvetinagar	4680/Q/06	Non-Forest Land	8-Jan-2008	7-Jan-2028	Non-Working
89	1011180948	Smt G.Devi, W/o.S.Vedanarayagam, No.7/B, L.S., Chittoor Main Road, Tirupathi, Chittoor District	B.G	2.579	63	Eduvaripalli (Kotravedu)	Karvetinagaram	8130/Q2/2011	Non-Forest Land	3-Oct-2018	2-Oct-2038	Non-Working
90	1011181008	Sri K.S.Ramesh Babu, S/o Sri K.Sami Pillai, D.No.3-641, Greanspet, Chittoor.	B.G	2.340	215/P (Old Sy.No.33)	Kesavakuppam	Karvetinagaram	4125/Q2/2008	Non-Forest Land	27-Aug-2018	26-Aug-2038	Working
91	Not Arise	M/s.R.D.B Granites	B.G	1.000	185	Alathur	Karvetinagaram		Non-Forest Land			Non-Working
92	Not Arise	M/s Bharath Granites, Proptc: Smt P.Radhika, W/o Dhananjaya Reddy, Erramarajupalli Village & Post, Karvetinagaram Mandal, Chittoor District.	B.G	3.907	98	Erramarajupalli	Karvetinagaram	8455/Q2/2011	Non-Forest Land	26-10-22	25-10-42	Working
93	1011140159	M/s Ravilla Rocks, Prop:Sri R.Gowtham Kumar, S/o R.Chinnaswamy Naidu, D.No.24-11, Lakshmi Nagar Colony, Chittoor	B.G, Road Metal & Gravel	2.970	245	Mudipalle	Nagari	7848/Q2/2011	Non-Forest Land	18-Mar-2014	17-Mar-2034	Non-Working
94	1011080177	M/s Jagannadham Granites, Prop:Sri T.M.Praveen Kumar, S/o T.M.Mohan Murthy, Jagannadham Silk Palace, D.No.6-69, Main Road, Pakala, Chittoor Dist.	B.G	3.500	1182/4	Mogarala	Pakala	294/Q/08	Non-Forest Land	20-Aug-2008	19-Aug-2028	Non-Working
95	1011110174	R.Ravi, S/o.K.Ranganathan, Belrumpalli (Vg), Thirumalavadi (P), Palcode Taluk, Dharmapuri, Tamil Nadu	B.G	1.000	977	Mogarala	Pakala	2348/Q2/07	Non-Forest Land	11-May-2011	10-May-2031	Non-Working
96	1011120175	M.Brahmaiah, S/o M.Nagarajulu Naidu, D.R.Puram(V), S.R.Puram (M), Chittoor	B.G	1.641	1180/4 & 1181/2	Mogarala	Pakala	291/Q2/08	Non-Forest Land	4-Feb-2012	3-Feb-2032	Non-Working

Sl. No	Lessee ID No.	Name & address of the lessee	Mineral	Extent	Sy.No.	Village	Mandal	File No	Category of Land	Lease Period		Status of Lease
										From	To	
97	1011140178	R.Ashok, S/o Sri Raja Manikam, D.No 7-428, Kolinagar, Chemakurthi, Prakasam Dist. Transfer from M/s Indus Stones	B.G	1.765	1210	Damalacheruvu	Pakala	4897/TQL/2013	Non-Forest Land	9-Jan-2014	05-04-2029	Working
98	1011150806	M.Dhanalakshmi, W/o M.Lokanatha Naidu, D.R.Puram Village, N.R.Puram Post, S.R.Puram Mandal, Chittoor Dist.	B.G	2.450	977	Mogarala	Pakala	814/Q2/2008	Non-Forest Land	22-Aug-2015	21-08-2035	Non-Working
99	1011180940	M/s.Harikrishna Granites, Prop: Sri P.Harinath, S/o.P.Krishnaiah, D.No.25-242/1, Reddigunta, Chittoor District	B.G	2.055	1141	Gorpadu	Pakala	5747/Q1/2013	Non-Forest Land	6-Oct-2018	5-Oct-2038	Working
100	1011140180	M/s.Sunrise Mines and Minerals, Mg.Pt: Sri Avinash Chukkappalli, D.No.8-2-293/82/F/A, Plot No.64/A, Film Nagar, Road No.14, Jubilee Hills, Hyderabad (Transfer from K.Babu)	B.G	2.957	453	Maddinayanapalli	Pakala	7219/Q1/2011	Non-Forest Land	3-Mar-2022	4-Feb-2034	Recently Executed
101	1011090173	K.S.Sridhar, S/o K. Shanmugham, No.35, II Floor, Type-3, 6th Block, Bysandra Campus Nimhans Quarters, Bangalore - 560 030.	B.G	3.000	977	Mogarala	Pakala	5425/Q/08	Non-Forest Land	3-Aug-2009	2-Aug-2029	Working
102	1011130179	M/s.Om Sri Vinayakaswamy Granites, Partner:Sri S.Lokaiiah, Vaddikandiga Village, N.R.Puram Post, S.R.Puram Mandal, Chittoor District - 517 421. (Transfer from M/s. Sai Granites)	B.G	1.965	453	Maddinayanapalli	Pakala	9461/TQL/2013	Non-Forest Land	12-Jan-2015	30-Oct-2033	Non-Working
103	1011220995	Sri D.Giri Naidu, S/o.Chinnaswamy Naidu, No.2-26, Moravapalli Village, Kolaroadpalle, Chittoor - 517 112.	B.G	3.790	Sy.No.662 (Old Sy.No.1/1)	Maddinayanapalli	Pakala	7887/Q2/2015	Non-Forest Land	11-Feb-2022	10-Feb-2042	Working
104	1011221046	M/s Sre Tirumala Giri Minerals, Managing Partner:Sri C.Tirumala Reddy, Door No.2-26, Moravapalli Street, Kalroadpalle Village, Chandragiri Mandal, Chittoor District.	B.G	0.975	663 (Old Sy.No.1/1)	Maddinayanapalli	Pakala	596/Q2/2021	Non-Forest Land	27-Jun-2022	26-Jun-2042	Working
105	1011050171	M/s. Pranav Granites Prop: Sri D.Babu Prasad Reddy, Damalacheruvu Vill & Post, Pakala Mandal, Chittoor	B.G	1.000	977/2	Mogarala	Pakala	3326/Q/04	Non-Forest Land	25-Jul-2005	24-Jul-2025	Non-Working
106	1011070270	K. Muthu Rajesh, D No. 1-1-81c, West end Colony, Anna nagar, Western Exten, Chennai	B.G	2.000	Gap Area	Narasimhapuram	Palasamudram	1720/Q/05	Non-Forest Land	12-Jun-2007	11-Jun-2027	Non-Working
107	1011090185	V.Rama Mohan Reddy, S/o V.Rami Reddy, D.No.4/595, Aravind Nagar, Patel road, Kadapa Distrit	B.G	2.000	169	Srikaverirajapuram	Palasamudram	4031/Q/08	Non-Forest Land	6-Jan-2009	05-01-2029	Non-Working
108	1011120183	M/s.R.D.L.Granites, Mg.Partner:Sri Y.Vidya Kiran, S/o.Y.Rama Moorthi, No.75, S.P.Avenue, Poonamalle, Chennai - 56	B.G	2.447	365/2 (Old Sy.No.Gap Area)	Gangamambapuram	Palasamudram	7378/Q2/10	Non-Forest Land	27-Mar-2012	26-Mar-2032	Non-Working
109	1011100276	K. Muthu Rajesh, D No. 1-1-81c, West end Colony, Anna nagar, Western Exten, Chennai	B.G	2.000	Gap Area	Narasimhapuram	Palasamudram	3222/Q/08	Non-Forest Land	21-May-2010	20-05-2030	Non-Working
110	1011080277	M/s.Gem Granites Private Limited, NO.76, Cathedral Road, Chennai - 86	B.G	5.000	Gap Area	Narasimhapuram	Palasamudram	3056/Q/03	Non-Forest Land	7-Oct-2008	7-Sep-2028	Non-Working

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Sl. No	Lessee ID No.	Name & address of the lessee	Mineral	Extent	Sy.No.	Village	Mandal	File No	Category of Land	Lease Period		Status of Lease
										From	To	
111	1011050274	R Krishna Murthy, Manipuram (vg), Palasamudram (M), Chittoor dist.	B.G	4.000	Unsurveyed Gap area	Vanadurgapuram	Palasamudram	2619/Q/04	Non-Forest Land	1-Sep-2005	31-Aug-2025	Non-Working
112	1011100280	M/s. Aiswarya Granites, Prop: Sri.R.Chiranjeevi Naidu, D.No.2-475/B, Sri Bapuji Nagar, Kongareddipalli, Chittoor	B.G	3.000	Gap Area	Ramakrishnapuram	Palasamudram	4649/Q/2005	Non-Forest Land	10-Jun-2010	9-Jun-2030	Non-Working
113	1011080184	V.Rama Mohan Reddy, S/o V.Rami Reddy, D.No.4/595, Aravind Nagar, Patel road, Kadapa Distrit	B.G	2.000	169	Srikaverirajapuram	Palasamudram	4030/Q/08	Non-Forest Land	14-Nov-2008	13-11-2028	Non-Working
114	1011070188	G.Nalini Jayanthi, W/o G.Munikrishna, Engunkondarahgaripalli Village, Penumur Post & Mandal, Chittoor District. Transfer from M/s.Sai Monica Enterprises, Proptx:V.R.Jayasree.	B.G	3.860	1030	Chinthapenta	Penumur	1409/TQL/09	Non-Forest Land	20-Jun-2007	19-06-2027	Non-Working
115	1011090191	M/s Boomika Granites, Mg Partner: Sri P.Ramaswamy S/o Pichakaran, No.2-61, Municipal Office, Officer Lane, Gurunagar Colony, Chittoor. (Transfer from Sri P.Haribabu Reddy)	B.G	1.000	568	Samireddypalli	Penumur	4547/TQL/2015	Non-Forest Land	9-Dec-2016	10-May-2029	Non-Working
116	1011070194	M/s.Sri Ganapathi Granites, Prop:Sri.M.Prathap Reddy, Near Thana, Chittoor Town, Chittoor Dist	B.G	1.000	415	E.Ramireddigaripalli	Pulicherla	4806/Q/01	Non-Forest Land	21-Nov-2007	20-Nov-2027	Working
117	1011210992	Sri G.Nanda Kumar, S/o.Guruvaiah Naidu, No.135, 27th Cross, 3rd Block East, 13th Main, Jayanagar, Bangalore - 560 011	B.G	2.060	417/5	E.Ramireddigaripalli	Pulicherla	151/Q2/2017	Non-Forest Land	11-Aug-2021	10-Aug-2041	Working
118	1011120196	T.Chandrasekhar Reddy, S/o.T.Narayana Reddy, Thalapulapalli Village & Post, Puthalapattu Mandal, Chittoor District	B.G	2.000	256	Thenepalli	Puthalapattu	7043/Q2/2010	Non-Forest Land	5-Sep-2012	4-Sep-2032	Working
119	1011130197	E.Devarajulu, S/o.E.Ramachandra Naidu, D.No.26-39, Palamaner Road, Kajur, Chittoor (Transfer from M/s.Sun Rock Enterprises, Pt.Sri.P.Govindan)	B.G	1.500	1406	Vavilthota	Puthalapattu	6584/TQL/11	Non-Forest Land	12-Dec-2007	11-Dec-2027	Working
120	1011130198	E.Devarajulu, S/o.E.Ramachandra Naidu, D.No.26-39, Palamaner Road, Kajur, Chittoor (Transfer from M/s.Sun Rock Enterprises, Pt.Sri.P.Govindan)	B.G	1.800	1406	Vavilthota	Puthalapattu	6690/TQL/11	Non-Forest Land	24-Nov-2010	23-Nov-2030	Working
121	1011150811	M/s A.R.S Granites, Prop: Sri A.R.Sridhar Reddy, Flat No.102, Vinayaka Residency, Usha Nagar Colony, Kongareddypalli, Chittoor - 517 001 (Transfer from Sri M.K.N.Jaishankar)	B.G & C.G	2.500	6	Eswarapuram	Puttur	5916/Q2/2010	Non-Forest Land	3-Jul-2015	2-Jul-2035	Working
122	1011110283	M/s.Vimal Granites, Proptx:Smt R.Vimala, W/o.R.Siva Sankar Reddy, D.No.E-6, Opp FCI Godown, Industrial Estate, Chittoor. Transfer from V.Lakshmi Narayanan	B.G	2.000	Unsurveyed Gap Area	Anupalli	R.C.Puram	7189/TQL/2012	Non-Forest Land	13-Aug-2015	6-Feb-2031	Non-Working

Sl. No	Lessee ID No.	Name & address of the lessee	Mineral	Extent	Sy.No.	Village	Mandal	File No	Category of Land	Lease Period		Status of Lease
										From	To	
123	1011070200	M/s Ajitha Granites, Prop:E.Ajay Kumar, S/o Late E.Govindappa Naidu, Plot No.33, Industrial Estate, Tirupathi, Chittoor	B.G	3.000	405	Nethakuppam	R.C.Puram	1761/Q/07	Non-Forest Land	14-May-2007	13-May-2027	Working
124	1011940767	M/s Ajitha Granites, Prop:E.Ajay Kumar, S/o Late E.Govindappa Naidu, Plot No.33, Industrial Estate, Tirupathi, Chittoor. (Renewal applied on 23-01-08)	B.G	0.808	389	Nethakuppam	R.C.Puram	4054/Q/2004	Non-Forest Land	9-Nov-1994	8-Nov-2009	Non-Working (Renewal Filed)
125	1011060284	N.Sankar Naidu, Prop: M/s. Sai Ram Granites, Gajulapalli (vg), Mapakashi Post, Chittoor District 282/Q/2005	B.G	3.000	Gap Area	Kammappalle	R.C.Puram	282/Q/05	Non-Forest Land	22-Apr-2006	21-Apr-2026	Working
126	1011090285	B.Devendra Kumar, S/o K.Bhaskar Rao, B.Gollahalli, Anderson Peat Post, K.G.F. Karnataka	B.G	4.000	Gap Area	Nenoor	R.C.Puram	3885/Q/08	Non-Forest Land	10-Dec-2009	9-Dec-2029	Non-Working
127	1011070287	M/s.Trinity Granites, Prop:A.Peter, Rasanapalli (Vg). Papichettipalli (P), Gudipala (M), Chittoor Dist	B.G	3.000	Gap Area	Nethakuppam	R.C.Puram	2024/Q/06	Non-Forest Land	12-Sep-2007	11-Sep-2027	Working
128	1011140297	M/s.Sri Surya Sai Granites, Prop:Sri P.Surendra Reddy, Gudyamampalli (Vg & P), Penumur (M), Chittoor Dist. Transfer from Sri V.Radhakrishnan	B.G	2.000	Gap Area	Nethakuppam	R.C.Puram	6970/TQL/2012	Non-Forest Land	8-May-2014	3-May-2027	Working
129	1011160783	K.Sandeep, S/o K.Prabhakar Reddy, Paimagham Village, Aragnda Post, Thavanampalli Mandal, Chittoor District	B.G	7.900	491 (Old Sy.No. Gap Area)	Anupalli	R.C.Puram	3355/Q2/2011	Non-Forest Land	25-May-2016	24-May-2036	Non-Working
130	1011080199	M/s Sri Srinivasa Granites, Proptx:Smt K.Saroja, Shed No.18, Industrial Estate, Renigunta Road, Settypalli Post, Tirupati. Transfer to M/s Sri Balaji Granites, Prop:Sri L.Poornachandra Reddy.	B.G	1.503	417/2	Anupalli	R.C.Puram	5511/Q/07	Non-Forest Land	17-Jul-2008	28-May-2026	Non-Working
131	1011120210	S.Maliga, W/o.Subramanyam, Pudupatti Village, Rasipuram Taluk, Nammakkal District, T.N. (Transfer Quarry lease from Sri M.Srinivasan)	B.G	2.970	192/2	Supravarajapuram	S.R.Puram	2048/TQL/2014	Non-Forest Land	15-Jul-2015	4-Oct-2032	Non-Working
132	1011120214	M/s.Yak Granite Industries Private Limited, Regd.Office:B-254, 50th Street, Ashok Nagar, Chennai - 600 083.	B.G	4.685	102	Mudikuppam	S.R.Puram	4552/RQL/07	Non-Forest Land	18-Apr-2012	23-Jan-2029	Working
133	1011190951	Sri K.Babu Reddy, S/o.K.Raghunatha Reddy, Kotagaram Village, G.D.Nellore (M), Chittoor District	B.G	1.000	400/1	Mudikuppam	S.R.Puram	5747/Q2/2010	Non-Forest Land	11-Dec-2019	10-Dec-2039	Working
134	1011140202	M/s.K.V.K Granites, Prop:Sri K.Venkata Krishna Reddy, S/o.Ramanna Reddy, D.No.16-4-1408, 1st Floor, Childrens Park Road, Nellore Dist. Transfer from M/s.Sai Krishna Granites, Prop:V.Radhakrishna.	B.G	1.870	247	Katikapalli	S.R.Puram	7458/TQL/2012	Non-Forest Land	27-Mar-2014	22-Jan-2030	Working

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135	1011210980	Sri N Mani Maran, S/o.N.Narayanan, No.9/5, Angadi Street, 1st Floor, Aynavaram, Chennai - 600 023.	B.G	4.700	381 (Old Sy.No.113)	Chillamathur	S.R.Paran	4429/Q2/2017	Non-Forest Land	18-Mar-2021	17-Mar-2041	Working
136	1011221016	M/s.Venkateswara Rocks, Prop: Sri P.Sudhakar Reddy, S/o.P.Peddi Reddy, D.No.4-1195/4B, Balamurugan Street, Durga Nagar Colony, Greampet, Chittoor - 517 001.	B.G	4.690	C.No.,389	Mangunta West R.F., Karvetinagar East Range	S.R.Paran	9388/Q2/2014	Forest Land	11-Feb-2022	10-Feb-2042	Working
137	1011070749	Sri M.Subramanyam Reddy, 4-1624/1, Bharath Street, Vellore Road, Greampet, Chittoor	B.G	3.000	1037	Patnam	Thavanampalli	1166/Q/07	Non-Forest Land	12-Sep-2007	11-Sep-2027	Non-Working
138	1011060215	M/s Vee Yen Granites, Prop:Sri V.Neelakandan, Ammapuram Village, Thorru Mandal, Warangal District - 506 163 (Transfer from SriM.Shyamaraj, M/s Seven Star Granites)	B.G	3.000	513	Echaneri	Thavanampalli	7043/Q/08	Non-Forest Land	20-Nov-2006	19-Nov-2026	Non-Working
139	1011090216	M/s Vee Yen Granites, Prop:Sri V.Neelakandan, Ammapuram Village, Thorru Mandal, Warangal District - 506 163 (Transfer from C.Nagendra Reddy)	B.G	4.890	513	Echaneri	Thavanampalli	7044/Q/08	Non-Forest Land	5-Sep-2008	4-Sep-2028	Non-Working
140	1011140217	K.Sandeep, S/o K.Prabhakar Reddy, Paimagham Village, Aragonda Post, Thavanampalli Mandal, Chittoor District	B.G	3.000	552/2 & 555/1 & 2 (Old Sy.No.513)	Echaneri	Thavanampalli	7955/Q2/2010	Non-Forest Land	24-Jan-2014	23-Jan-2034	Working
141	1011190943	M/s Sreeni Granites, Mg Pt: Sri B.Balaram Reddy, S/o.B.V Ramana Reddy, No.8, 4th cross, Spoorthy Sai Nivas, R.K Gardents, RMV 2nd Stage, Bangalore - 560054	B.G	11.758	1729/P	Aragonda	Thavanampalli	3665/Q2/2017	Non-Forest Land	19-Jan-2019	18-Jan-2039	Working
142	1011120222	M/s Velmurugan Granites, Mg.Pt.N.Devarajulu Naidu, Gajulapalli (V), Mapakshi (P), Chittoor Mandal & Dist.	B.G	2.000	Gap Area	Seetharamapuram	Vadamalapet	4310/Q2/06	Non-Forest Land	29-02-2012	28-02-2032	Non-Working
143	1011060251	M/s. Indigra Global Enterprises Mg.Pt: Sri A.Mohan Raj, D.No. 7th, 3rd Cross Street, Rukmani Nagar, Poonamali, Chennai - 56.	B.G	1.758	208	Thippinaidupalli	Vedurukuppam	3409/Q/04	Non-Forest Land	4-Mar-2006	3-Mar-2026	Non-Working
144	1011130242	M/s Aruna Granites, Mg. Pt: Y. Ramnarayana Reddy, Mahal Village & Post, Kaligiri Mandal, Chittoor.(FOREST)	B.G	4.000	440	Panapakam Ext, R.F., Chittoor East Division	Vedurukuppam	2080/Q2/2008	Forest Land	12-Nov-2013	11-Nov-2033	Non-Working
145	1011130229	M/s Vinayaka Granites, Proptx:Smt T.Jalaja, Devalampeta Village & Post, Vedurukuppam Mandal, Chittoor District (Transfer from Sri P.Goverdhan)	B.G	1.000	246/12	Devalampet	Vedurukuppam	5782/TQL/12	Non-Forest Land	25-Apr-2013	7-Aug-2028	Non-Working

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										From	To	
146	1011120230	T.Nirmala, Jo.T.Subbashchandrabose, Thellagundlapalli (Vg), Devaragudipalli (P), Vedurukuppam (M), Chittoor Dist	B.G	1.190	246/2, 246/8,9,10 & 11	Devalampet	Vedurukuppam	1484/Q2/07	Non-Forest Land	5-Nov-2012	4-Nov-2032	Non-Working
147	1011070231	A.Sadasiva Kumar Reddy, S/o.D.C.Ramalinga Reddy, 4/1995 - 4B, Upstair, Balamurugan Street, Durganagar Colony, Chittoor	B.G	4.000	Gap Area	Kaveri Maharajapuram	Vedurukuppam	1519/Q/07	Non-Forest Land	12-Dec-2007	11-Dec-2027	Non-Working
148	1011140234	T.Balasubramanyam, S/o.T.Subash Chandra Bose, Devalampeta (Vg & P), Vedurukuppam (M), Chittoor District, A.P.(Transfer from M/s. Babaiah Granites, Prop:Sri D.Babaiah)	B.G	1.388	268 (Old Sy.No.Gap area)	Kaverirajapuram	Vedurukuppam	2944/TQL/2015	Non-Forest Land	23-Sep-2015	14-Feb-2034	Non-Working
149	1011140226	M/s Vinayaka Granites, Prop:Sri T.Balasubramanyam, Devalampeta Village & Post, Vedurukuppam Mandal, Chittoor District (Transfer from M/s Icon International)	B.G	1.000	257/4P, 5, 6	Devalampet	Vedurukuppam	5781/TQL/2010	Non-Forest Land	15-Feb-2014	21-Dec-2026	Non-Working
150	1011130225	P.Krishnamma Naidu, S/o.Late P.Siddamma Naidu, Pilligundlapalli (Vg), Mangunta Post, S.R.Puram Mandal, Chittoor Dist	B.G & C.G	1.796	240/1	Bommaiahpalli	Vedurukuppam	4495/Q2/2012	Non-Forest Land	18-Oct-2013	17-Oct-2033	Working
151	1011080228	M/s Vinayaka Granites, Prop: T.Ravindra Kumar, Thellagundlapalli (Vg), Vedurukuppam (M), Chittoor Dist.	B.G	2.000	243/2, 245/2	Devalampet	Vedurukuppam	215/Q/2007	Non-Forest Land	10-Apr-2008	9-Apr-2028	Working
152	1011120244	M/s.Lakshmi Metallica Private Limited, Mg.Director: Sri M.Vadivelan, H.No.77/14E, Salem Main Road, Dharmapuri - 636 701, Tamil Nadu (Transfer from M/s.Ganga Rocks Private Limited)	B.G	6.000	365/P	Allamadugu	Vedurukuppam	5468/TQL/2012	Non-Forest Land	11-Oct-2012	24-Nov-2028	Working
153	1011080232	M/s.S.S Granites, Prop:Sri P.Mohan Reddy, S/o.P.Jayaram Reddy, Gudyanampalli Village and Post, Penumur Mandal, Chittoor Dist. (Transfer from M/s.Sapphire Blossom Rocks (P) Ltd	B.G	3.000	207/3 & Gap Area	Kaveri Maharajapuram	Vedurukuppam	9107/TQL/2013	Non-Forest Land	1-Jun-2015	22-Jul-2028	Working
154	1011150764	M/s.Sri Sai Granites Exports & Imports, Prop:Sri P.Sai Prasad Reddy, S/o.P.Narasimha Reddy, D.No.298/C, Bairagipattada, Tirupati, Chittoor	B.G	3.773	375/1P (375/3), 375/3P 375/4P (375/4), 375/2P (375/6), 375/5P (375/7) 376/1P (376/4) and 100/1P (100/1	Allamadugu & Bommaiahpalli	Vedurukuppam	7371/Q2/2012	Non-Forest Land	25-May-2015	24-May-2035	Working

Sl. No	Lessee ID No.	Name & address of the lessee	Mineral	Extent	Sy.No.	Village	Mandal	File No	Category of Land	Lease Period		Status of Lease
										From	To	
155	1011080227	M/s Bharath Granites, Prop: Smt P. Radhika, W/o Dhananjaya Reddy, Errar arajupalli Village & Post, Karvetinagaram Mandal, Chittoor District. (Transfer from M/s Icon International). Renewal applied on 31-01-2013	B.G	1.000	242/2	Devalampet	Vedurukuppam	680/RQ1/2013	Non-Forest Land	5-Mar-2013	4-Mar-2033	Working
156	1011180853	M/s. Riyanshika Granites, Proptx: Smt P. Manognya, W/o. K. Ramakanth Reddy, D.No. 4-2062/10, Siddhartha Nagar, Opp: P.V.K.N. Degree College, Vellore Road, Chittoor - 517001.	B.G	2.500	647 (Old Sy.No.234/P)	Perumallapalle	Vedurukuppam	6052/Q2/2016	Non-Forest Land	25-Jan-2018	24-Jan-2038	Non-Working
157	1011080235	M/s. Vinayaka Granites, Prop: P. Purushotham Reddy, Damarakuppam (Vg), Vedurukuppam (M), CTR Dist	B.G	2.000	233	Kommaragunta	Vedurukuppam	2758/Q/06	Non-Forest Land	4-Feb-2008	3-Feb-2028	Non-Working
158	1011090241	M/s D C R. Granites, Prop: R. Dilli Babu, 503, Akhil Apartments, Nehru Street, Tirupathi, Chittoor District.	B.G	7.400	431, 432, 433, 434 & 438	Panapakam and Panapakam Extn R.F	Vedurukuppam	2424/Q/09	Forest Land	12-May-2009	11-May-2029	Non-Working
159	Not Arise	Sri T. Balasubramanyam, S/o. T. Subash Chandra Bose, Devalampeta (Vg) & Post, Vedurukuppam Mandal, Chittoor District	B.G	1.841	730/2 (Old Sy.No.365)	Allamadugu	Vedurukuppam	6581/Q1/2010	Non-Forest Land	13-Apr-2018	12-Apr-2038	Non-Working
160	1011080247	M/s. Maruti Granites, Prop: P. Rukmangadha Naidu, D.No. 4-15, Balaji Nagar Colony, Greampet, Chittoor	B.G	1.000	117/7 & 116/5	Chenchugudi	Vedurukuppam	4380/Q/2002	Non-Forest Land	18-Jan-2008	17-Jan-2028	Non-Working
161	1011210983	M/s. Kamala Granites, Prop: Sri E. Chitti Babu, Plot No. 80, Industrial Estate, Chittoor District, A.P.	B.G	7.150	C.No. 431, 432, 433 etc.,	Panapakam R.F	Vedurukuppam	4328/Q2/2008	Non-Forest Land	6-Jan-2021	5-Jan-2041	Working
162	1011080250	K. Muthu Rajesh, S/o A. Karthikeyan, D.No. 19/32, AC Block, 4th Street, Ann Nagar, Chennai - 40, T.N.	B.G	2.000	793	Jaakkidona	Vedurukuppam	4056/Q/07	Non-Forest Land	5-Nov-2008	4-Nov-2028	Non-Working
163	Not Arise	M/s. Wipro Granites, Proptx: Smt P. Aruna, Dhamarakapuram Village, Kommaragunta Post, Vedurukuppam Mandal, Chittoor District	B.G	1.000	233	Kommaragunta	Vedurukuppam	1165/Q/2003	Non-Forest Land			Non-Working
164	1011090245	Smt Jayalakshmi Sathyamoorthy (Successor Lessee) W/o. Late P. Sathyamoorthy, C/o P. Thulasi Raman, Thadukupet Village & Post, Nagari Mandal, Chittoor District	B.G	1.000	365	Allamadugu	Vedurukuppam	210/Q/2007	Non-Forest Land	16-Sep-2009	15-Sep-2029	Non-Working
165	1011070237	A. Harinadha Reddy, S/o. a. Guruvu Reddy, Pachikapalam (Vg) & Post, Vedurukuppam (M), Chittoor Dist	B.G	1.000	3	Mambedu	Vedurukuppam	1718/Q/07	Non-Forest Land	18-Dec-2007	17-Dec-2027	Non-Working
166	1011110265	M/s Shiva Granites, Prop: Babu Prasad Reddy, S/o Late P. Ramakrishna Reddy, D.No. 22-680, Sambaiahkundriga, C.K. Palli, Chittoor District (FOREST)	B.G	5.000	C.No. 213	Paradarani R.F, Chittoor West Division	Yadamari	7031/Q2/08	Forest Land	15-Dec-2011	2-Oct-2028	Working

Sl. No	Lessee ID No.	Name & address of the lessee	Mineral	Extent	Sy.No.	Village	Mandal	File No	Category of Land	Lease Period		Status of Lease
										From	To	
167	1011150810	M/s.Gulshan Granites, Prop:B.Kabir, 14 Kandiga Muslimwada, Chinmareddypalli (P), Yadamari (M), Chittoor Dist	B.G	7.000	228	Keenatampalli R.F Chittoor West Division	Yadamari	3117/Q2/2007	Forest Land	10-Jul-2015	9-Jul-2025	Working
168	1011000701	M/s Sri Kalki Traders, Prop: Sri M.Deepa, Dasarapalle Village, Yadamari Mandal, Chittoor. Renewal filed on 24-03-2011	B.G	1.000	281	Dasarapalle	Yadamari	4012/C/96	Non-Forest Land	26-Nov-1996	25-Nov-2011	Non-Working (Renewal Filed)
169	1011080255	Smt K.Hemalatha (Successor), W/o.Late Sri K.Praveen, S/o K.Mohan, D.No.28-537, Ganganapalli, Chittoor.	B.G	2.610	58	D.K.Chervu	Yadamari	1654/C/06	Non-Forest Land	9-Jun-2008	8-Jun-2028	Non-Working
170	1011070261	M/s.Vaishnav Granites, Prop.C.Sivakumar Reddy, 1-564, Reddy Street, Kattamanchi,Chittoor	B.G	4.900	C.No.213	Paradarami R.F, Chittoor West Division	Yadamari	6812/RQL/2016	Forest Land	7-Jun-2017	6-Jun-2037	Working
171	1011090262	B.Govardhan, Prop:M/s Padmavathi Granites S/o Bajalingam,Gondivandlavooru, 155, Kammappalli Post, Yadamari Mandal, Chittoor District	B.G	3.000	C.No.213	Paradarami R.F, Chittoor West Division	Yadamari	1778/RQL/2018	Forest Land	25-Jul-2019	24-Jul-2039	Working
172	1011030289	M/s Tirumala Granites, Proprietor Sri R.Lokanadha Naidu, Shed No.3, Industrial Estate, Chittoor.	B.G	5.500	217 & 218	Veerasettipalle 'B' R.F	Yadamari	4293/RQL/2021	Forest Land	15-Feb-2023	14-Feb-2043	Working
173	1011070293	M/s.Vishnu Granites, Mg.Pt.Y.Rammarayana Reddy, Mahal (Vg & P), Kalikiri (M), Chittoor Dist. Renewal filed	B.G	2.500	218	Veerasettipalle 'B' R.F	Yadamari	6475/RQL/2016	Forest Land	30-Apr-2018	7-May-2027	Working
174	1011070294	M/s.Jayasree Granites, Propt:A.Sujatha, D.No.4-483, C.B.Road, Greampet, Chittoor	B.G	3.000	218	Veerasettipalle 'B' R.F	Yadamari	6813/RQL/2016	Forest Land	12-Jun-2017	11-Jun-2037	Working
175	1011140301	M/s.Guniganti Mines & Minerals Pvt Ltd, Director: Sri P.Laxmikantha Rao, S/o.P.Booma Rao, D.No.1-4-200/161/C, Sainikapuri, Hydersbad (Transfer from M/s.Sri Sukracherya Minerals)	B.G	1.585	94	Kammappalle	Yadamari	2619/TQL/2014	Non-Forest Land	17-Jul-2014	18-Dec-2028	Non-Working
176	1011160787	M/s. Sakku Granites, Prop: B.Jayalalitha, D.No.25-527-5, Inuvaram By Pass Road, CTR	B.G	3.000	218	Veerasettipalli R.F Rachuru Beat, Chittoor West Division	Yadamari	4029/Q/2007	Forest Land	29-Jul-2016	28-Jul-2026	Working
177	1011190941	M/s.B.K.R.Granites, Prop: Sri B.Vikram Reddy, D.No.1-611, Cross Road, Piler, Chittoor District, A.P.,	B.G	4.790	205 & 215	Ragimanupenta & Paradaram Reserve Forest	Yadamari	6932/Q2/2014	Forest Land	26-Aug-2019	25-Aug-2039	Working
178	1011200961	M/s.S.S.Granites, Prop: Sri P.Surya Narayana Reddy, S/o.Late P.Narayana Reddy, Opp: PVKN Degree College, Siddhartha Nagar, Vellore Road, Chittoor - 517 002.	B.G	9.144	200	Bodabanda R.F	Yadamari	366/Q2/2016	Forest Land	3-Aug-2020	2-Aug-2040	Working
179	1011120266	M/s.Divya Granites Prop,C.Narash Kumar Reddy,Plot No.38.Castel Hills Road,No-2,Near,N.M.D.C. Buildings Vijaya Nagar Colony,Hyderabad.	B.G	4.900	C.No.213	Paradarami R.F, Chittoor West Division	Yadamari	4456/Q2/2005	Forest Land	13-Apr-2012	24-Nov-2030	Non-Working

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Sl. No	Lessee ID No.	Name & address of the lessee	Mineral	Extent	Sy.No.	Village	Mandal	File No	Category of Land	Lease Period		Status of Lease
										From	To	
180	1011180877	M/s.Siddarth Granites, Prop: Sri C.Sudheer Reddy, Plot No.38, Castle Hills, Road No.2, Near NMDC, Building, Vijaynagar Colony, Hyderabad	B.G	4.900	213	Paradarami R.F, Chittoor West Division	Yadamari	4455/Q3/2005	Forest Land	18-May-2018	17-May-2038	Non-Working
181	1011221083	M/s Sai Joshitha Granites, Prop: Smt B.Prathima, W/o B.Vikram Reddy, D.No.1-611, Kadapa Road, Pileru, Chittoor District - 517 214.	B.G	4.830	C.No.212	Paradarami R.F, Chittoor West Division	Yadamari	5537/Q2/2014	Forest Land	20-Jun-2022	19-Jun-2042	Working
182	1011221053	Smt P.Sucharitha, W/o.Prabhash Kumar Reddy, Flat No.205, Kattamanchi Apartment, 1-497, 498, Reddy Street, Kattamanchi, Chittoor District - 517 001.	B.G	2.715	381/2 (Old Sy.No.64)	Nadimipalli	Yadamari	2865/Q2/2020	Non-Forest Land	17-Jun-2022	16-Jun-2042	Working
183	1011221037	Sri T.Jayaraman, S/o.Late T.Venkataswamy, Papichetti Kandriga, Iruvaram Post, Yadamari Mandal, Chittoor District.	B.G	2.510	425/2P	Gollapalle	Yadamari	5935/Q2/2007	Non-Forest Land	28-May-2022	27-May-2042	Working
184	Not Arise	Smt A.Madhupallavi, Flat No.202, Chaitanya Towers, 2nd Floor, Lawerpet, Ongole, Prakasam District - 523 002, A.P.,	B.G	3.318	462/Part (Old Sy.No.328/B)	Gollapalle	Yadamari	814/Q1/2021	Non-Forest Land	03-12-22	02-12-42	Working
185	Not Arise	Sri B.Mohan Reddy, S/o B.Muni Reddy, D.No.5-108, Kattakinda Vuru Village, Yadamari Mandal, Chittoor District, A.P.,	B.G	0.949	942/4 (Old Sy.No.942)	Yadamari	Yadamari	180/Q1/2020	Non-Forest Land	07-01-23	06-01-43	Working
186	Not Arise	Sri B.Mohan Reddy, S/o B.Muni Reddy, D.No.5-108, Kattakinda Vuru Village, Yadamari Mandal, Chittoor District, A.P.,	B.G	1.981	107/13 & 127/6 (Old Sy.No.107/12 & 127/4)	Budithireddypalli	Yadamari	181/Q1/2020	Non-Forest Land	07-01-23	06-01-43	Working

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*[Signature]*  
Asst. Director of Mines and Geology,  
CHITTOOR

**BRIEF NOTE ON POINTS (3, 4 & 5) ASKED IN TERMS OF REFERENCE & JOINT INSPECTION CONDUCTED BY THE FOREST AND MINES AND GEOLOGY DEPARTMENT AT BASAVAPALLI RESERVE FOREST, CHITTAPARA BEAT, CHITTOOR DISTRICT ON 27-05-2023**

As per request of the District Forest Officer, Chittoor vide Rc.No.1968/2019/TO, dt:21.03.2023 and telephonic information received from the District Forest Officer, Chittoor on 26-05-2023, we are accompanied with the Forest officials on 27-05-2023 and jointly inspected the applied area of M/s.Vasista Mining in Compartment No.227 of Chittapara R.F., Chittoor West Division, Gudipala Mandal, Chittoor District and also inspected existing lease held by M/s.Harish Granites located at Compartment No.222 of Chittapara R.F., Chittoor West Division, Gudipala Mandal, Chittoor District. After inspection, a meeting was conducted with officials of Forest and Mines & Geology Departments and discussed elaborately.

In this meeting the Forest officials requested to submit the detailed data with respect to minerals available, leases, applied areas and production details of lands located in Government, Forest and Patta Lands of erstwhile Chittoor District in point 3, 4, 5 of terms of references.

The following are the details of Leases, Applied areas and Production of the minerals are given below:

**Mineral Occurrences in Chittoor District**

The Chittoor District mainly endowed with important minerals like Black Granite, Colour Granite, Road Metal & Building Stone, Dimansional Stones (DMS),Gravel and Quartz comes under Minor Mineral category. There is no major minerals existing in the erstwhile chittoor District.

**3). Availability of Black Granite in Chittoor District (in both Forest and Non Forest Area)**

There are 35 Black Granite quarry leases granted in Reserve Forest areas since the year 2005, out of 35 quarry leases 14 quarry leases are presently working and 16 quarry leases are expired due to completion of lease period and 5 quarry leases are temporarily stopped. Apart from the Forest areas the mineral Black Granite (G-20 variety) granted 11 quarry leases with an extent of 34.887 Hects only and remaining Black Granite varieties with Poor quality available in 304 quarry leases with an extent of 688.641 Hects.

S.No	Mineral	Forest		Revenue		Patta		Total Area	
		No.of Leases	Area in Hects	No.of Leases	Area in Hects	No.of Leases	Area in Hects	No.of Leases	Area in Hects
1	Black Granite (G-20 Variety)	35	156.853	11	34.887	0	0	46	191.74
2	Black Granite (with low quality)	0	0	304	688.641	0	0	304	688.641
<b>Total</b>		<b>35</b>	<b>156.853</b>	<b>315</b>	<b>723.528</b>	<b>0</b>	<b>0</b>	<b>350</b>	<b>880.381</b>

**4). Need/necessity for opening of new quarry in the forest area:-**

It is submitted that generally the Black Granite (Dolerite dykes) occurs as intrusive body in the peninsular gneissic complex. The East – West trending dykes are productive in this Sector. The width of Dolarite dyke is about 40 to 45 mtrs. The Black Granite found in the forest land is very rare in variety and unique displays pearly sheen against dark green back ground which is not yet identified in any non-forest lands. **The Black Granite available in the Forest area is commercially named as G-20 variety** due to it's very fine-grained ground mass in texture. The detailed exploration of the reserves of Black Granite (G-20 Variety) is yet to be calculated. However at present 46 Black Granite (G-20 variety) quarry leases are existing, out of which 35 quarry leases (156.853 Hects) are in Forest area only and remaining 11 quarry leases (34.887 Hects) falls under Revenue lands. As per the Approved Mining Plans available G-20 Black Granite recoverable resources in Forest area is approximately 40,000 Cbm Per Hectare. The average recovery mineral of Black Granite (G-20 variety) produce in Forest lands @ 125 Cbm per Annum per Hectare, whereas the other Black Granite recovery in Revenue lands @ 19 Cbm per Annum per Hectare. Hence the recovery rate of Black Granite mineral is more in Forest lands than comparatively Non Forest areas.

So far 108 applications were received with an extent of 868.269 Hects for quarrying Black Granite mineral in the Forest limits as the mineral belongs to the Black Granite (G-20 variety) which is solely occurring in Forest areas.

The G20 variety black granite is exported to Europe Countries mainly for the purpose of monuments and it fetches good revenue to Government. As far as Granite mineral is concerned, the nature of deposition, structure and other features influence the recovery of dimensional stone and commercial viability. Further it is observed that the particular quality of Black Granite mineral available in the Reserve Forest areas while very less quantity available is in Revenue lands. This G-20 variety in Black Granite is not available anywhere in the state except Chittoor District. The quality and use of granite depend upon its granularity, Colour, presence of structural elements, inclusion, brittleness, chemical and Mineralogical composition. This variety can't be compared with other Black Granite varieties available in other places. Hence, there is a necessity to open the new quarries in the Reserve Forest areas and it fetches more revenue to the Government ex-chequer and in process our Forest reserves.

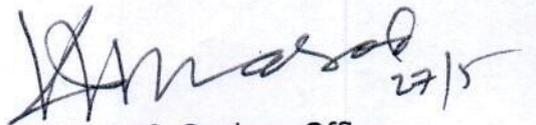
**5). Demand & Supply of G-20 Black Granite:-**

Nearly 350 – 400 Granite cutting and polishing industries have been established in Chittoor District with a machinery capacity of 924 blades, which provides livelihood for morethan 10000 persons directly and indirectly. The average consuming capacity of each blade 250 cbm per Annum totally requires 2,31,000 Cbm per Annum for both Colour & Balck Granite minerals. Generally Cutting & Polishing units consumes about 20% of Black Granite (G-20 variety), which comes out to be 46,200 cbm, but where as Annual Production of mineral is 15,363 Cbm. Hence huge variation for demand and supply of G-20 variety mineral for local industries which is main industry in Chittoor district.

Apart from the local industries 60% mineral is exported to the European Countries and remaining 20% is used in industries in other states. In order to meet the present demand of this variety (G-20 Black Granite) the exploitation of new areas are also necessary.

Further the future prospects of the Black Granite usage is increasing year by year. The current environment for Granite Industry remains challenging. Dimension stone market is said to grow at a fast pace as the demand for granite, marble, sandstone and other dimension stones and stone products is on the rise as the residential consumption and private spending on home are increasing. In addition to this residential remodeling activity is expected to rise as home owners continue to opt for larger kitchens and multiple bathroom, expending the space devoted to countertops. A similar rate of growth in exports can also be achieved with the help of suitable policy framework, infrastructure and other facilities which the Industry expects to consolidate for augmentation of prospects. Black Granite (G-20 variety) which is most suitable for monuments which is very much demand in European Countries. A well-planned, concerted and dedicated efforts are essentially needed for promotion of Indian stones to galvanize their export prospects. The basic objective of sustainable development in mining is to meet the needs of the present without compromising the ability of future generations to meet their own needs.

This is submitted for favour of information.

Handwritten signature in black ink, appearing to read 'Anand', with the date '27/5' written to the right.

District Mines & Geology Officer,  
(DDM&G),  
CHITTOOR.

GOVERNMENT OF ANDHRA PRADESH  
DEPARTMENT OF MINES AND GEOLOGY

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

To  
M/s.Sweety Granites,  
Prop:Sri D.James,  
No.28/1195, Balaji Colony,  
Chittoor District.

Lr.No.3096/MMP/BG/CTR/2022, dt: 12-10-2022

Sir,

Sub: Mines & Minerals - Modified Mining Plan for application filed by M/s.Sweety Granites, Prop:Sri D.James for Black Granite over an extent of 4.980 Hectares in Compartment No.460 of Pachigunta R.F., Pachigunta Beat, Chittoor Range, Chittoor East Division, G.D.Nellore Mandal in Chittoor District - Approved - Regarding.

- Ref: 1. Procg.No.3855/D13-1/2019, dated:09.08.2021 of the Director of Mines and Geology, Ibrahimpattanam.  
2. Draft Modified Mining Plan submitted on 10.10.2022 filed by M/s.Sweety Granites, Prop:Sri D.James.  
3. This Office Letter No.3096/MMP/BG/CTR/2022, dt:10.10.2022.  
4. Letter dated:12.10.2022 along with 5 sets of fair Modified Mining Plan from the Applicant/RQP.

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In exercise of the powers conferred by the Government of Andhra Pradesh, through the reference 1<sup>st</sup> cited and in view of proceedings issued by the Director of Mines & Geology, Ibrahimpattanam. I hereby approve the Modified Mining Plan for the period of Five (05) years in respect of precise area for Black Granite over an extent of 4.980 Hectares in Compartment No.460 of Pachigunta R.F., Pachigunta Beat, Chittoor Range, Chittoor East Division, G.D.Nellore Mandal in Chittoor District filed by M/s.Sweety Granites, Prop:Sri D.James under Rule 16 (3) of Granite Conservation Development Rules, 1999.

This approval is subject to the following conditions.

1. This Modified 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 Modified 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 modified 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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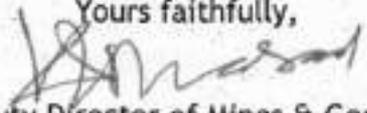
5. The Q.L. area is as shown on the statutory plans by the applicant is certified by the competent authority with GPS readings of the boundary points of the lease and this office has not under taken the ground truth verification of the quarry lease boundary and pillars on the ground.
6. The approval 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 Modified 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 Modified 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.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.M.P and if any variations noticed in the A.M.M.P the same shall be brought to the notice of the Undersigned immediately for taking further necessary action.

**MODIFIED MINING PLAN**  
**INCLUDING PROGRESSIVE MINE CLOSURE PLAN**  
**FOR BLACK GRANITE OVER A TOTAL EXTENT OF 4.980 HA**  
**INCLUDING MINING AREA 2.730 HA,**  
**SAFETY ZONE AREA 0.920 HA, AND ROAD AREA 0.330 HA**  
**IN COMPARTMENT NO. 850 OF PACHIGUNTA R.F,**  
**PACHIGUNTA BEAR, CHITTOOR RANGE,**  
**IN CHITTOOR EAST DIVISION AND A.P.**

This Modified Mining plan is prepared as per guidelines in FORM - T,  
Under Amended Rules 16 (3) of GCDR 1999.

'B' category - Semi Mechanized (OTFM-Other Than Fully Mechanised)Open Cast Mine

FOREST LAND

MODIFIED MINING PLAN PERIOD:  
Five years from the date of execution of the quarry lease.

for total proposed production quantity of  
Black Granite blocks of **22614 Cu.M**, at an average of **4523 Cu.M /Annum**

APPLICANT

**M/s Sweety Granites,**  
**Prop: Sri D.James,**  
D. No.2-1251/4 SA,  
Nalanda Nagar B.V.Reddy Colony,  
Chittoor District A.P.  
Contact No: 91777 40331  
email Id: saisonugranites@yahoo.com

PREPARED BY

**ANOOSRI MINING SOLUTIONS,**  
**P.VISWAM, (RQP/BNG/346/2015/A),**  
Near Sivalayam,  
Sydapuram (V), (PO) & (M)-524407,  
SPSR Nellore Dist. A.P.  
Contact No.: 98661 01801  
e-mail ID : [anoosrims@gmail.com](mailto:anoosrims@gmail.com)



**CERTIFICATE**

This is to certify that the **Modified Mining Plan** of the Quarry area, which is for extraction of **Black Granite** over a total extent of **4.980 Ha** including mining area 3.730 Ha, safety zone area 0.920 Ha, and road area 0.330 Ha in Compartment No. 460 of Pachigunta P.E, Pachigunta Beat, Chittoor Range, in Chittoor East Division and A.P. in favour of **M/s Sweety Granites, Prop: Sri D. James** has been prepared by Sri P.Viswam, RQP (RQP/BNG/346/2015/A) in full consultation with me. I have understood its contents and agreed to implement the same in accordance with all the Statutory Provisions of the Rules.

Place: Chittoor

Date:

Signature of the applicant



This is to certify that the Modified Mining plan has been prepared as per the Andhra Pradesh Minor Mineral Concession Rules, 1966. Whenever specific permission is required for any deviation, the applicant will approach the Authorities of the Department of Mines & Geology.

The provisions of Mines Act, Rules and Regulations made there under have been observed in preparation of this "**Modified Mining plan**" for Extraction of **Black Granite**. The granted Quarry area is **Forest Land** over a total extent of **4.980 Ha** including mining area 3.730 Ha, safety zone area 0.920 Ha, and road area 0.330 Ha in Compartment No. 460 of Pachigunta R.F, Pachigunta Beat, Chittoor Range, in Chittoor East Division and A.P. in favour of **M/s Sweety Granites, Prop: Sri D. James** has been agreed to implement the Modified Mining plan in full and whenever specific permission is required, the applicant will approach the Director General of Mines Safety. The information furnished in the Modified Mining plan is true and correct to the best of my knowledge.

Place: Sydapuram

Date:

P. Viswam,

(RQP/BNG/346/2015/A)



This is to certify that, the provisions of Mines Act, Rules and Regulations made there under have been observed in this "**Modified Mining Plan**" including mine closure plan for extraction of **Black Granite** over a total extent of **4.980 Ha** including mining area 3.730 Ha, safety zone area 0.920 Ha, and road area 0.330 Ha in Compartment No. 460 of Pachigunta R.F, Pachigunta Beat, Chittoor Range, in Chittoor East Division and A.P. in favour of **M/s Sweety Granites, Prop: Sri D. James** and wherever specific permission required the applicant will approach the Director General of Mines Safety.

'The information furnished in the above Modified Mining Plan is true and correct to the best of our knowledge.'

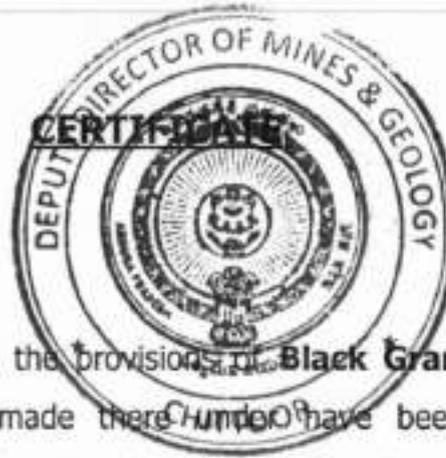
Signature of the applicant

P. Viswam,

(RQP/BNG/346/2015/A)

Place : Sydapuram

Date :



This is to certify that, the provisions of **Black Granite** Conservation & Development Rules 1999 made thereunder have been observed in this **"Modified Mining Plan"** for extraction of Black Granite over a total extent of **4.980 Ha** including mining area 3.730 Ha, safety zone area 0.920 Ha, and road area 0.330 Ha in Compartment No. 460 of Pachigunta R.F, Pachigunta Beat, Chittoor Range, in Chittoor East Division and A.P. in favour of **M/s Sweety Granites, Prop: Sri D. James** and wherever specific permissions required like appointment of statutory persons etc the applicant will appoint the persons by approaching the respective departments.

Signature of the applicant

P. Viswam,

(RQP/BNG/346/2015/A)

Place : Sydapuram

Date :



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### LIST OF ANNEXURES

S. NO	NAME	ANNEXURE NO.
1	RQP CERTIFICATE	I
2	CIRCULAR MEMO FROM THE D.M.G. MAHARIPATNAM	II
3	A COPY OF APPROVED MINING PLAN	III



### LIST OF PLATES

PLATE. NO	NAME OF PLATE	SCALE
1	KEY CUM LOCATION PLAN (TOPO SHEET)	1:50000
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**MODIFIED MINING PLAN  
INCLUDING PROGRESSIVE MINE CLOSURE PLAN  
FOR BLACK GRANITE OVER A TOTAL EXTENT OF 4.980 HA  
INCLUDING MINING AREA 3.730 HA,  
SAFETY ZONE AREA 0.920 HA, AND ROAD AREA 0.330 HA  
IN COMPARTMENT NO. 460 OF PACHIGUNTA R.F,  
PACHIGUNTA BEAT, CHITTOOR RANGE,  
IN CHITTOOR EAST DIVISION AND A.P.**

This Modified Mining plan is prepared as per guidelines in FORM - T,  
Under Amended Rules 16 (3) of GCDR 1999.

'B' category - Semi Mechanized Open Cast Mine (OTFM) Other Than Fully Mechanised Mine

**INTRODUCTION:**

**M/s Sweety Granites, Prop: Sri D. James** has filed an application for grant of Quarry Lease for **Black Granite** over a total extent of **4.980 Ha** including mining area 3.730 Ha, safety zone area 0.920 Ha, and road area 0.330 Ha in Compartment No. 460 of Pachigunta R.F, Pachigunta Beat, Chittoor Range, in Chittoor East Division and A.P. The said quarry lease application was received by the Asst. Director of Mines & Geology; Chittoor on 27.10.2008, the same was received on 27.10.2018.

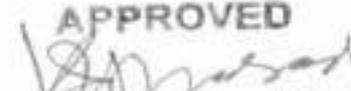
The Pri. Chief conservator of Forests & Head of Forest, Andhra Pradesh, Guntur was authenticated in connection with diversion of Forest land for grant of quarry lease for Black Granite in Compartment No. 460 of Pachigunta R.F, Pachigunta Beat, Chittoor Range, in Chittoor East Division and A.P. File by **M/s Sweety Granites, Prop: Sri D. James** vide Ref.No.EFS02-15029/38/2019-FCA SEC-PCCF/FCA-1, dated 01.08.2021. Copy enclosed as Annexure - III.

Through the Circular Memo No: 3861432/P/2020 dated 16/07/2021, issued by Government of Andhra Pradesh Department of Mines and Geology Ibrahimpatnam, instructions has already been issued to all the ADM&Gs and DDM&Gs to submit the proposals on applications with regard to Forest area along with AMP as per the procedure intimated by the Pri.Chief Conservator of Forests, Guntur. (Copy enclosed as Annexure - II)

The Mining Plan / Schems is Approved subject  
to the conditions & stipulations indicated in  
the Plan / Scheme Approved letter.

No: 3096/mmp/BG/CTR/2022

Date: 12/10/2022

**APPROVED**  
  
Deputy Director of Mines & Geology  
Chittoor

A detailed Mining Plan is submitted on the basis of the **Circular Memo No:3861432/P/2020 dated 16/07/2020** issued by Government of Andhra Pradesh Department of Mines and Geology, Brindavanam, Sub: Mines & Minerals – Granting of Mining Lease/Prospecting License/Quarry Leases in Forest lands.

The approved mining plan shall also reflect the restrictions to be adopted by the applicant while conducting quarry operations due to existence of any structures, railway line, roads, water bodies such as river, lake etc., and the suggested distances as per the various regulations prescribed under M.M.R. 1961.

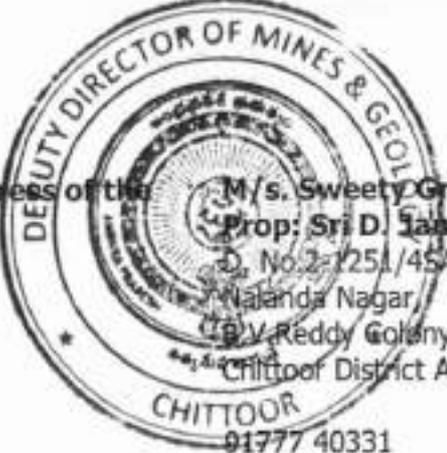
**M/s Sweety Granites, Prop: Sri D. James** has approached Anosri Mining Solutions Sri P.Viswam, Mining Engineer & RQP, (enclosed copy of certificate as Annexure. I) for preparation of the mining Plan for the above applied area.

The mining plan was approved by the Deputy Director of Mines & Geology, Chittoor, vide letter No: 2456/MP/CG/CTR/2021, dated: 29.09.2021 and valid for 5 years. copy enclosed as Annexure – III.

Accordingly this Modified Mining Plan is prepared as per the guidelines of FORM – T, under G.O.Ms.56, I&C(Mines-II), DT: 30/04/2016 of AP for obtaining the Environmental Clearance (EC) from State Environmental Impact Assessment authority (SEIAA) & annual production Plan under Semi Mechanized (OTFM) Open cast method of mining Under Amended Rule 12(c) of GCDR 1999.

Now the proposals are made for 5 years Modified Mining Plan period and submitted to the Deputy Director of Mines & Geology, Chittoor for approval.

**I. GENERAL:**

- 
- 1.0 Name and Address of the applicant** : M/s. Sweets Granites,  
Prop: Sri D. James,  
D. No. 2-1251/45A,  
Nalanda Nagar,  
B.V.Reddy Colony,  
Chittoor District A.P.
- Contact No.** : 91777 40331  
**E mail ID** : saisonugranites@yahoo.com
- 2.0 Status of applicant** : Proprietor Firm
- Location of applied area** : Compt.No.460 of Pachigunta R.F,  
Pachigunta Beat,  
Chittoor Range,  
Chittoor East Division and A.P.
- 3.0 Mineral Which is the applicant intends to mine** : Black Granite
- Period for which the Mining lease granted/ proposed to be applied** : 20 years from the date of Execution
- 4.0 Name and Address of Recognition as Qualified person to preparing Modified Mining Plan** : P.VISWAM, RQP,  
Address:  
Anoosri Mining Solutions,  
Near Sivalayam,  
Sydapuram (V), (PO) & (M)-524407  
SPSR Nellore Dist. A.P.
- Mobile No.** : 98661 01801  
**E mail ID** : [anoosrim@gmail.com](mailto:anoosrim@gmail.com)
- Registration No.:** RQP/BNG/346/2015/A  
**Date of Grant/ renewal** : 30.03.2015 (Grant)  
**Valid upto** : 29.03.2025
- Certificate of RQP, enclosed as Annexure- I.

## 1.0 LEASE AREA / APPLIED AREA DETAILS

1	Village	Pachigunta RF, Pachigunta Beat																																																																																																																
2	Mandal	G. Bellone																																																																																																																
3	District	Cheruvu District																																																																																																																
4	State	Andhra Pradesh																																																																																																																
5	Survey No	Compartment No. 460																																																																																																																
6	Extent	Total extent of 4.980 Ha including mining area 3.730 Ha, safety zone area 0.920 Ha, and road area 0.330 Ha																																																																																																																
7	Ownership of occupancy	Forest Land																																																																																																																
8	Geo Co-ordinates :	<p>The applied area falls under the survey of India Topo sheet No. <b>57 O/8</b> at the intersection of North Latitude 13.23021861 to 13.22582357 and East Longitude 79.28630845 to 79.28384820. The Key plan prepared using Topo sheet on 1: 50000 scale. The key plan cum location map is enclosed as Plate No.1.</p> <p>Geo-coordinates of the Boundary pillars are tabulated below:</p> <table border="1"> <thead> <tr> <th>Sl.No</th> <th>Point Name</th> <th>N-Latitude</th> <th>E-Longitude</th> </tr> </thead> <tbody> <tr><td>1</td><td>M-1</td><td>13.22582950</td><td>79.28394596</td></tr> <tr><td>2</td><td>SZ-1</td><td>13.22575168</td><td>79.28384820</td></tr> <tr><td>3</td><td>M-2</td><td>13.22650306</td><td>79.28417961</td></tr> <tr><td>4</td><td>SZ-2</td><td>13.22653640</td><td>79.28411987</td></tr> <tr><td>5</td><td>SZ-3</td><td>13.22716322</td><td>79.28461756</td></tr> <tr><td>6</td><td>M-3</td><td>13.22712148</td><td>79.28467032</td></tr> <tr><td>7</td><td>M-4</td><td>13.22796202</td><td>79.28505164</td></tr> <tr><td>8</td><td>SZ-4</td><td>13.22791576</td><td>79.28495328</td></tr> <tr><td>9</td><td>SZ-5</td><td>13.22799782</td><td>79.28466815</td></tr> <tr><td>10</td><td>M-5</td><td>13.22803757</td><td>79.28477394</td></tr> <tr><td>11</td><td>SZ-6</td><td>13.22839379</td><td>79.28492353</td></tr> <tr><td>12</td><td>M-6</td><td>13.22835703</td><td>79.28497983</td></tr> <tr><td>13</td><td>M-7</td><td>13.22943258</td><td>79.28508631</td></tr> <tr><td>14</td><td>SZ-7</td><td>13.22943982</td><td>79.28501958</td></tr> <tr><td>15</td><td>M-8</td><td>13.23015248</td><td>79.28517782</td></tr> <tr><td>16</td><td>SZ-8</td><td>13.23021861</td><td>79.28511875</td></tr> <tr><td>17</td><td>SZ-R6</td><td>13.23016350</td><td>79.28580428</td></tr> <tr><td>18</td><td>M-9</td><td>13.23016977</td><td>79.28621724</td></tr> <tr><td>19</td><td>SZ-9</td><td>13.23023898</td><td>79.28630845</td></tr> <tr><td>20</td><td>M-10</td><td>13.22988787</td><td>79.28613294</td></tr> <tr><td>21</td><td>SZ-10</td><td>13.22986702</td><td>79.28619744</td></tr> <tr><td>22</td><td>M-11</td><td>13.22921279</td><td>79.28589843</td></tr> <tr><td>23</td><td>SZ-11</td><td>13.22919091</td><td>79.28596201</td></tr> <tr><td>24</td><td>SZ-12</td><td>13.22840124</td><td>79.28572566</td></tr> <tr><td>25</td><td>M-12</td><td>13.22841802</td><td>79.28566078</td></tr> <tr><td>26</td><td>M-13</td><td>13.22716523</td><td>79.28532632</td></tr> <tr><td>27</td><td>SZ-13</td><td>13.22713771</td><td>79.28538876</td></tr> </tbody> </table>	Sl.No	Point Name	N-Latitude	E-Longitude	1	M-1	13.22582950	79.28394596	2	SZ-1	13.22575168	79.28384820	3	M-2	13.22650306	79.28417961	4	SZ-2	13.22653640	79.28411987	5	SZ-3	13.22716322	79.28461756	6	M-3	13.22712148	79.28467032	7	M-4	13.22796202	79.28505164	8	SZ-4	13.22791576	79.28495328	9	SZ-5	13.22799782	79.28466815	10	M-5	13.22803757	79.28477394	11	SZ-6	13.22839379	79.28492353	12	M-6	13.22835703	79.28497983	13	M-7	13.22943258	79.28508631	14	SZ-7	13.22943982	79.28501958	15	M-8	13.23015248	79.28517782	16	SZ-8	13.23021861	79.28511875	17	SZ-R6	13.23016350	79.28580428	18	M-9	13.23016977	79.28621724	19	SZ-9	13.23023898	79.28630845	20	M-10	13.22988787	79.28613294	21	SZ-10	13.22986702	79.28619744	22	M-11	13.22921279	79.28589843	23	SZ-11	13.22919091	79.28596201	24	SZ-12	13.22840124	79.28572566	25	M-12	13.22841802	79.28566078	26	M-13	13.22716523	79.28532632	27	SZ-13	13.22713771	79.28538876
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28	SZ-15	13.22664984	79.28507776
29	M	13.22668615	79.28502077
30	M	13.22588730	79.28450892
31	SZ-15	13.22582357	79.28454853
32	R-1	13.23528249	79.28553335
33	R-1a	13.23522996	79.28554739
34	R-2	13.23525284	79.28580563
35	R-2a	13.23520680	79.28576930
36	R-3	13.23403022	79.28585392
37	R-3a	13.23402963	79.28579867
38	R-4	13.23252763	79.28592732
39	R-4a	13.23253087	79.28587203
40	R-5	13.23105970	79.28594997
41	R-5a	13.23106901	79.28589530
42	R-6	13.23023079	79.28581285
43	R-6A	13.23022964	79.28575755

The Survey sketch (Lease sketch) of the applied area is enclosed as Plate No-2.

**9 Location of the area and approach:**

The applied area can be approached by travelling from Chittoor – G.D.Nellore – Ballija Kandriga Road up to Kalepalle Cross thereby taking right diversion via Kalepalli upto Pichireddipalli and thereby cart track leads to the applied area. The applied area is 1.3 km NW of Pachigunta Village and 2 kms ESE of Kalepalli (Vg).

The location of the area is indicated in Key – Cum - Location Map. The Key plan prepared using Topo sheet on 1: 50000 scale and enclosed as Plate No.1.

**10 Infrastructure & Communications**

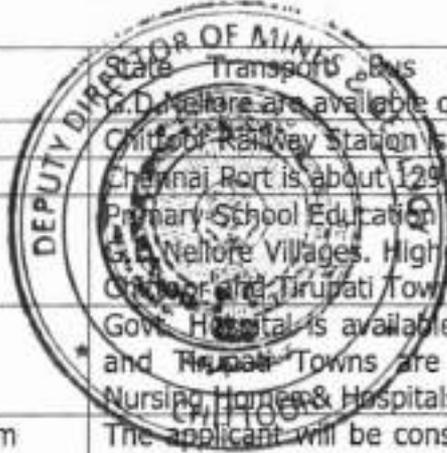
Existence public road/railway line, if nearby and approximate distance from applied area/ lease area by road way:

Description	Village /Place	Distance
Nearest road	Chittoor - Pallipattu	7.8 km
Nearest Railway station	Chittoor	25.0 km
Nearest Airport	Tirupati ( Renigunta)	81.0 km
Nearest port	Chennai	129.0 km
Nearest Fire Station	Chittoor	24.0 km

Availability of Water The ground water is available 60-100 M BGL. The agricultural fields around the applied area are irrigated by ground water.

Availability of Electricity Electricity connections are available within 1.5kms from the applied area. Primary school, High school and colleges and Primary Health Centre, Hospitals are available at Chittoor.

Communication network Tele Communications are available at the nearest villages.

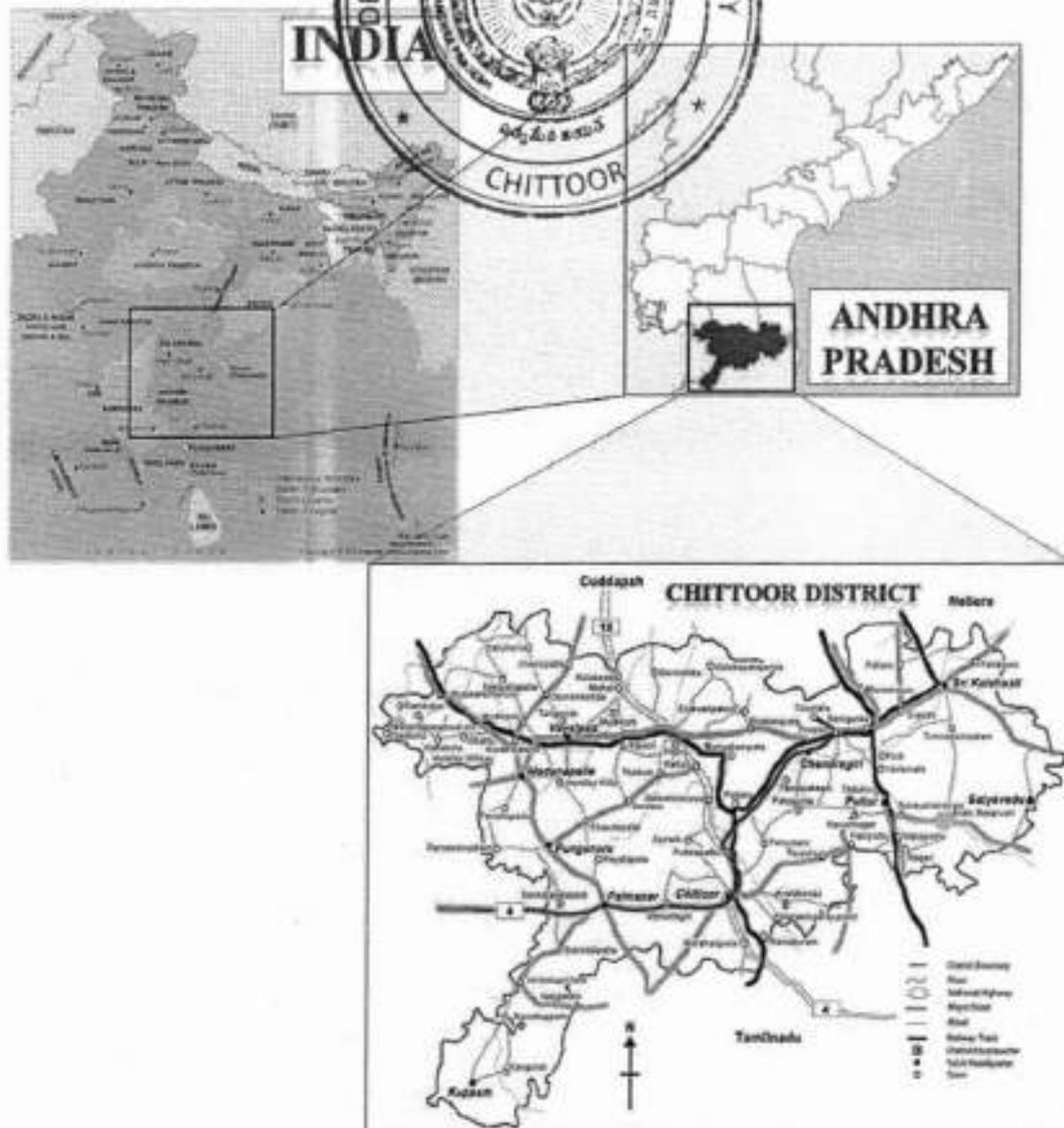


Road Network	State Transport Bus Services from Chittoor, G.D. Nellore are available on this road network.
Nearest Rail Head	Chittoor Railway Station is 25 Km from the ML area.
Port Facility	Chennai Port is about 129 Km from the ML area.
School	Primary School Education is available Pachigunta and G.D. Nellore Villages. Higher Education is available at Chittoor and Tirupati Towns.
Medical Facility	Govt. Hospital is available at G.D. Nellore, Chittoor and Tirupati Towns are well placed for Doctors, Nursing Homes & Hospitals.
Office and rest room	The applicant will be construct office and rest room etc., at the time of Commencement of mining operations.
<b>11</b>	<b>Boundaries</b>
North	Forest Land
East	Forest Land
South	Forest Land
West	Forest Land

## II. ATTACH A GENERAL LOCATION MAP SHOWING AREA AND ACCESS ROUTES:

Key cum Location Map enclosed as Page No. \_\_\_\_\_

Route map:



## III. DETAILS OF APPROVED MINING PLAN/ SCHEME OF MINING

- The mining plan was approved by the Deputy Director of Mines & Geology, Chittoor, vide letter No: 2456/MP/CG/CTR/2021, dated: 29.09.2021 and valid for 5 years.
- (i) Review of important chapters of mining plan  
Production and achieved/ dispatch particulars:  
Not applicable
- (ii) Year wise Development plan as per the Approved Mining Plan.  
Not applicable



**1.0 GENERAL DETAILS OF THE APPLIED AREA / MINING LEASE:**

(a) Brief description of Topography, drainage pattern, vegetation, climate, rain fall data of the applied area / mining lease area :

<p><b>Topography:</b></p>	<p>The applied area falls under the survey of India Topo sheet No. 57 Q/8 at the intersection of North Latitude 13.23021860 HITVO 013 22582357 and East Longitude 79.28630845 to 79.28384820. The Key plan prepared using Topo sheet on 1: 50000 scale. The key plan cum location map is enclosed as Plate No-1. The Quarry applied area is a fresh area.</p> <p>(a) The Quarry applied area is a hillock.          (a) No Top Soil in this applied area and the ore body is hard in nature.          (b) The applied area having a topo relief of 70 mts with highest and lowest contours of 350 and 280 mts.          (c) The mound contains a gradient of 1 in 4 along the strike lines drawn in North - South direction.          (d) The applied area having Steep slope towards NW and SE.</p> <p>The applied area is a <b>forest land</b>. There are no prominent natural drainage channels in the applied area. The topographical features are depicted in the surface Geological plan, which is enclosed as Plate No-4.</p>
<p><b>Drainage pattern:</b></p>	<p>The drainage pattern of the applied area is dendritic to sub dendritic in nature. No perennial streams observed over the applied area.</p>
<p><b>Vegetation:</b></p>	<p>The applied area is occupied by grazing grass with small shrubs and thorny bushes.</p>
<p><b>Climate &amp; rainfall :</b></p>	<p>The area falls in semi and zone of peninsular India. The aridity is characterised by low annual precipitation of 600 to 650 mm. Wind velocity is 19 km per hour. Temperature fluctuations are seasonal vary from 28<sup>o</sup> C to 44<sup>o</sup> C. Chittoor district receives an annual rainfall of 918. The southwest monsoon and north east monsoon are the major sources of rainfall for the district.</p>
<p><b>Water bodies :</b></p>	<p>There are no water bodies or any canals in the applied area.</p>
<p><b>Land system</b></p>	<p>The quarry applied area is a hillock and fresh area.</p>
<p><b>Land use pattern</b></p>	<p>The quarry applied area is a fresh area.</p>



<b>Habitation areas and demography</b>	<p>Distance, direction from the applied area and population of the nearby villages of the applied area are given below. The main profession of the people is agriculture, rearing sheep and cows and other small business and labour on daily wages.</p> <table border="1" data-bbox="639 399 1437 614"> <thead> <tr> <th>Sl.No</th> <th>Village</th> <th>* Distance</th> <th>Direction</th> <th>Population</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Pachigunta</td> <td>1.3 km</td> <td>NW</td> <td>700</td> </tr> <tr> <td>2</td> <td>Kalspallitoor</td> <td>2.0 km</td> <td>West</td> <td>1000</td> </tr> <tr> <td>3</td> <td>Vinijam</td> <td>3.6 km</td> <td>NW</td> <td>800</td> </tr> <tr> <td>4</td> <td>Pullur</td> <td>4.7 km</td> <td>East</td> <td>300</td> </tr> </tbody> </table>	Sl.No	Village	* Distance	Direction	Population	1	Pachigunta	1.3 km	NW	700	2	Kalspallitoor	2.0 km	West	1000	3	Vinijam	3.6 km	NW	800	4	Pullur	4.7 km	East	300
Sl.No	Village	* Distance	Direction	Population																						
1	Pachigunta	1.3 km	NW	700																						
2	Kalspallitoor	2.0 km	West	1000																						
3	Vinijam	3.6 km	NW	800																						
4	Pullur	4.7 km	East	300																						
<b>Road, electricity and telephone line</b>	<p>The nearest road is Chittoor - Pallipattu is located at a distance of 7.8 Km south of applied area. Electricity connections and telephone are available within 1.0kms at Pachigunta village from the applied area. Tele-communications are available at nearest villages.</p>																									
<b>Religious places, etc</b>	<p>There are no religious, sacred, Archaeological and heritage sites within the 500 mts of the applied area.</p>																									
<b>Vegetation</b>	<p>Sparse with thorny bushes in the interstices of joints where soil is existed, areas around the hill are cultivation lands.</p>																									
<b>Forest cover</b>	<p>Forest Land</p>																									
<b>Flora and fauna</b>	<p>The soil existing in the area is partially fertile. Therefore, few trees are grown with small bushes and thorny trees. No wild animals are witnessed in the vicinity of the area since 50 years as reported by local people.</p>																									

## 2.0 GEOLOGY AND EXPLORATION:

- a. **Brief description of Regional Geology with reference to location of lease/applied area:**

### Regional Geology

The Archean rock are represented by granite, dolerites, granetiferous dolerite, Schist with staurolite and kyanite Hornblende dolerite gabbro with anothosite associated with the metapelites and hornblend dolerite are the sheets and lensoid bodies of meta ultramatics, Acid intrusive are represented by granite, pegmatite and quartz veins. Minerlogically, they consist of dolerite microcline, plagioclase perthite, biotite, muscovite and magnetite. At places hornblende and garnet are present in this region. The rock units, exposed in this region of the subject area belongs to rock of the Archeans age hornblende schist country rock with enclaves of older metamorphic and with emplacements of muscovite, pegmatites and quartz vein.

The Archaean schist and dolerite show foliation varying from NE-SW to NW-SE with moderate to steep dips on either side. The general disposition of the plutonic bodies is concordant with the adjacent quartzo – feldspathic. Associated with the metapelite and hornblende dolerite. The rock is exposed in the form of cluster of boulders and occasionally sheets.

Major parts of the Chittoor District mainly represent Archaean granite green stone terrain of the eastern block of Dharwar Craton. In the southeastern part of Chittoor district, charnockite rocks of southern granulite terrain are exposed. Proterozoic sediments of Kadapa basin exposed in the eastern parts of the Ananatapuram district continues in to North-eastern parts of Chittoor district through Kadapa district. The Gondwana sediments occur as small outliers in the eastern part of Chittoor district. The schistose rocks of Dharwar Super group occur in synformal folded structures and are referred to as Veligallu and Kolar schist belts.

<b>Statigraphy of the Quarry applied Area:</b>	
<b>Geological Age</b>	<b>Lithology</b>
Recent	• Alluvium
Pleistocene	• Laterite
---Unconformity---	
Peninsular gneissic complex (Migmatite group)	<ul style="list-style-type: none"> <li>• Younger intrusive, epidote veins, quartz veins and reefs</li> <li>• Pegmatites veins of alkali feldspar Granite and syenite</li> <li>• Dolerite/Gabbro/Basalt dykes Leuco Granite</li> <li>• Nebulitic to homophonous biotite granite</li> </ul>
Archeans	<ul style="list-style-type: none"> <li>• Nebulitic to homophonous</li> <li>• Hornblende Granite and Leuco Hornblend Granite</li> <li>• Biotite Granite Gneiss,</li> <li>• Hornblende Granite Gneiss,</li> <li>• Porphyritic Hornblende Granite</li> </ul>

**b. Detailed description of Geology of applied area**

Quarry applied area represents Hillock of Black Granite trending in NE-SE direction. The Black Granite variety occurring in the Quarry applied area is Whitish in colour with medium to coarse grained and exhibits Hypidiomorphic texture. The rock is mainly composed of Quartz, Plagioclase, Hornblende, Biotite, etc. The mineral grains can be clearly noticed with un-aided eye and the distribution of mineral grains is uniform. This Black Granite occurring as discontinuous lensoid body within them Igmaitite /gneissic complex; the rock is hard and compact in texture. No major structural deformations such as faults, folds, etc have been noticed within the applied area.

The quarry applied area is a fresh area. In the applied area shows a Black Granite presence in good quality. The country rocks comprise of hornblende schist. The granite formed over a length of more than 550m with average width of 100m in the applied area. The granite is exposed between the RLS of 350m and 280 m RLs in the applied area. No other structural features like fold and lineament etc within area are observed.

**Description of the Litho Units:**

The Black Granite deposit of the quarry area characterized with medium to coarse grained, Hypidiomorphic texture with uniform distribution of mineral assemblages. The old pits and the working pits, located side by side shows an average recovery of the Black Granite i.e., about **12%** after cutting blocks. Geological features of the area are shown on geological plan and the same is enclosed as plate No.3.

**Aesthetic Appeal:**

The granitic rock occurring in the applied area is fresh-looking and as such, does not show any effects of weathering. The mottling is consistent and the mineral grains distributed uniformly which adding unique appearance. The rock can take very good polish with uniform mosaic display which can be preferably used as dimensional stone.

**Hardness:**

The rock is hard in nature; possess the hardness of 6.5 to 7.0

**c. Details of Prospecting License holder:**

**M/s. Sweety Granites,**  
**Prop: Sri D. James,**  
 D. No.2-1251/4SA,  
 Nalanda Nagar,  
 B.V.Reddy Colony,  
 Chittoor District, and A.P.

**d. Details of Prospecting/ Exploration already carried out:**

The quarry applied area is a Hillock. The applied area is a fresh area. The applied area is a forest land.

The applied area is already exposed by Black Granite extended both lateral and vertical directions in the entire applied area. Further, the exposures observed in entire applied area prove the presence of Black Granite. The applied area is a fresh area. It also confirms the presence of Black Granite in the applied area. In addition, sufficient information gathered and careful observation of samples collected during the site visit has aided in determination of the presence of reserves in the applied area. Hence, specific exploration is not required. Later topographical survey of the area was carried out. The Bench Mark (BM 285 m MSL) is located in North West side in the applied area. Based on topographical survey and geological features, collected from the surface data, the surface geological plan is prepared on 1:1000 scale with 5.0 m contour interval and enclosed as **Plate No-3**.

**e. The Surface plan area on 1:1000 or 1:2000 scale:**

The surface cum Surface Geological plan of the applied area is prepared on 1:1000 scale with 5.0 m contour interval and is enclosed as **Plate No- 3**.

**f. Geological plan prepared on 1:1000 or 1:2000 scale:**

The surface cum Surface Geological plan of the applied area is prepared on 1:1000 scale with 5.0 m contour interval and is enclosed as **Plate No- 3**.

The key plan (Topo map) of the area is prepared on a scale of 1:50,000 with 5 kms radius line of the applied area showing predominant, water bodies, Topo features along with extremities of the applied area. Further, the surrounding villages with distance and population are tabulated in the legend area of the map enclosed as **Plate No- 1**.

**g. Geological Sections on natural scale at suitable intervals across the lease area or applied area.**

9 numbers of Geological cross sections A-A' to I-I' were drawn at an average interval of 50 m on 1:1000 scale and enclosed as **Plate No- 3 A**.

- h. Broadly indicate the Future Programme of Exploration with due justification taking in to consideration the future tentative excavation programme planned in next five years Modified Mining Plan period.

The deposit is well exposed within the total applied area surface, Hence no future programme of exploration is required.

Year	No. of Boreholes (Core/RC/DTH)	Grid Interval	Total Metres	No. of Pits, Dimensions and Volume	No. of Trenches, Dimensions and Volume
I Year	---	---	---	---	---
II Year	---	---	---	---	---
III Year	---	---	---	---	---
IV Year	---	---	---	---	---
V Year	---	---	---	---	---

- i. Reserves and Resources as per UNFC

Based on the data obtained from the Surface exposure in the applied area, the proved category reserves of Black Granite are estimated to a depth of **65m above the Datum and 15 M below the Datum (Datum 285 m MSL)**. The quality of mineral is likely to be the same as exposed in entire applied area. The reserves are estimated by Cross sectional method which as consists of multiplying the cross sectional area with the zone of influence if arrive at the volume. For the purpose of reserves estimation, 9 Geological sections A-A' to I-I' are drawn at an interval of 50 m each. The reserves are computed on the basis of the above consideration and given in following table.

**Category wise insitu Geological reserves of Black Granite:**

Reserves are estimated by cross sectional method. Area of cross section was taken including 7.5 m buffer zone and bench slopes.

Hence the geological reserves are tabulated below:

<b>TOTAL GEOLOGICAL RESERVES OF BLACK GRANITE</b>					
Section Line	Sectional area Sq. M.	C/S influence Mts.	Volume Cu. M.	Recovery 12% Cu. M.	Waste 88% Cu. M.
A-A'	2352	55.0	129360	15523	113837
B-B'	3523	50.0	176150	21138	155012
C-C'	4763	50.0	238150	28578	209572
D-D'	3359	50.0	167950	20154	147796
E-E'	4344	50.0	217200	26064	191136
F-F'	2575	50.0	128750	15450	113300
G-G'	3140	50.0	157000	18840	138160
H-H'	3952	50.0	197600	23712	173888
I-I'	2891	65.0	187915	22550	165365
<b>TOTAL</b>			<b>1600075</b>	<b>192009</b>	<b>1408066</b>

j. Feasibility report along with financial analysis per economic viability of the deposit (JUSTIFICATION FOR UNFC CLASSIFICATION)

Geological Axis (G1)

1. Geological Survey:
  - i. Mapping: Detailed geological survey was carried out in the applied area on 1:1,000 scale with 5.0 m contour intervals.
  - ii. Preparation of Detailed Topographical cum Geological Map: The topographical cum Geological map including all surface Geological features, extent of deposit, structures, have been prepared on 1:1,000 scale duly marked with surface geological features, BM etc., and presented on **Plate No-3**.
  - iii. Topo Grid/ Triangulation Stations: The Topo grid with Geological cross-sections has been prepared on 1:1,000 scale showing litho-units.
2. Geochemical Survey: Not carried out.
3. Geophysical Survey: Not carried out.
4. Technological Survey:
  - Detailed topographical and geological survey was carried out on 1:1,000 scale showing all the surface features, contours at 5.0 m interval, the lease boundary, surface Geology & Structural features.
  - **The maximum thickness of Black Granite above the existing ground level is estimated to be 65m above and 15 m below the lowest level which are considered to be proved reserves.**
  - Reserves are estimated by cross sectional area method.

Feasibility Axis (F1)

- a. Geology: The detailed Geology of the applied area has been presented in Part-A.
- b. Mining: Black Granite will be exploited through opencast Method of Mining other than fully mechanized with line drilling with vertical mounted drills. The quarrying operation will be carried out in a systematic way by forming blocks Excavator will be used for removal of ROM in the applied area.
- c. Environment: The deposit will exposed within the total applied area will be mined adopting conventional opencast semi- mechanized mining methods without any adverse environmental impact. The applicant will obtain statutory clearances as soon as this Modified Mining Plan is approved. Mining in the leasehold does not disturb any human settlements as they are far away from the applied area. On the other hand, the mining operations will create livelihood to the villagers nearby. The applicant will develop green belt around the applied area as part of his commitment to environment protection.
- d. Processing: Black Granite blocks are sold directly to the consumer
- e. Infrastructure: The entire necessary infrastructure such as office, rest shelter, power connection etc., will be provided once the modified mining plan is approved. The applied area is a Forest land. The applicant can use this land for the establishment office room and various other amenities like road, rest area for the site workers etc. which is depicted on Environmental plan. The applied area is connected with well-built asphalt roads to the Mandal and district Headquarters.

- f. Costing: The cost of production of Black Granite works out to be approximately Rs. 6,000.00 Per Cu.M.
- g. Marketing: ROM generated from this quarry will be market for the use in various construction projects in the nearby areas.
- h. Economic Viability: As the proposed applied area is in the near vicinity and sold to consumers it is surely economic and viable.
- i. Other Factors: Relevant clearances shall be obtained for continuing the mining operations in the applied area.



### **Economic Axis (E1)**

- a. Detailed Exploration: Detailed topographic survey and Geological mapping of the applied area was subject to detailed exploration by field traverses and well inventory data. The depth of sheet rock is assessed by the Litho-log observed in the boreholes of agricultural lands.
- b. Mining Reports / Mining Plan: This is the first Quarry modified mining plan being submitted.
- c. Specific End-Use Grades of Reserves (Above Economic Cut-Off Grade): NA
- d. Specific Knowledge of Forest/ Non-Forest and Other Land Use Data: The entire applied area is a forest land.

The cost of production of Black Granite is arrived at INR. 6,000.00 Per Cu.M inclusive of taxes and royalty. Sized blocks are supplied to the different consumers for cutting and polishing as such it is surely economic and profitable.

### **k. Mineral Reserves :**

- i. Mining Method, Recovery Factor, Mining Losses, Processing Loss etc.: Black Granite will be mined by open cast other than fully mechanized method with vertical mounted drills. The recovery factor is considered as **12% with 88%** intercalated waste. There will not be any mining losses except waste blocks.
- ii. Cut-off Grade, Ultimate Pit Depth Proposed: There is no cut-off grade as the ROM will be put to use for Black Granite as aggregates. The Ultimate Pit Limit (UPL) will be reached to 325m RL in middle portion in the applied area during the end of fifth year of this modified mining plan period.
- iii. Mineral/Ore Blocked Due to Benches, Barriers, Pillars, Road, Railway, River, Nalla, Reservoir, Electric Line and Other Statutory Barriers etc.: The mineral will be blocked in 7.5 m safety barrier zone, roads and benches which is computed separately tabulated below in the succeeding sections.
- iv. Total Mineral Reserves: The reserves are estimated basing on field traverses, and the information gathered during the field reconnaissance of the area and cross sections drawn. The area of the influence and the cross sections were taken at average 25 m on either side of the cross sections A-A' to I-I' the influence was taken at 50 m.

The occurrence of the Black Granite is probably more than 65m above the datum and 15M below the Datum (Datum is 285m MSL). Based on the field traverses, the estimated reserves are considered as Proved Reserves. 9 cross-sections A-A' to I-I' are considered for computation of reserves. The present area, which is above the existing ground surface, is considered for computation of reserves.

Reserves are estimated by cross sectional method. Area of cross section was taken by excluding 7.5 m buffer zone at both sides. Thus the area of cross section will be minable only.

**Proved total Geological Reserves of Black Granite:**

Section Line	Sec. area (Sq. M)	C/S influence (Mts)	Volume (Cu. M)	Recovery 12 % (Cu.M)	Waste 88 % (Cu.M)
A-A'	2352	55.0	129360	15523	113837
B-B'	3523	50.0	176150	21138	155012
C-C'	4763	50.0	238150	28578	209572
D-D'	3359	50.0	167950	20154	147796
E-E'	4344	50.0	217200	26064	191136
F-F'	2575	50.0	128750	15450	113300
G-G'	3140	50.0	157000	18840	138160
H-H'	3952	50.0	197600	23712	173888
I-I'	2891	65.0	187915	22550	165365
<b>Total</b>			<b>1600075</b>	<b>192009</b>	<b>1408066</b>

**Blocked Reserves:**

**Under 7.5 m buffer area:**

Section	Sec Area	Influence (M)	Volume (Cu.M)	Recovery 12 % (Cu.M)	Waste 88 % (Cu.M)
	(Sq.M)				
A-A'	218	55.0	11990	1439	10551
B-B'	404	50.0	20200	2424	17776
C-C'	667	50.0	33350	4002	29348
D-D'	531	50.0	26550	3186	23364
E-E'	690	50.0	34500	4140	30360
F-F'	525	50.0	26250	3150	23100
G-G'	560	50.0	28000	3360	24640
H-H'	722	50.0	36100	4332	31768
I-I'	517	65.0	33605	4033	29572
<b>Total</b>			<b>250545</b>	<b>30065</b>	<b>220480</b>

**Under Pit Slopes:**

Section	Sec Area	ROM	Volume	Recovery	Waste
	(Sq.M)	(M)	(Cu.M)	12 % (Cu.M)	88 % (Cu.M)
A-A'	193	55.0	10615	1274	9341
B-B'	702	50.0	35100	4212	30888
C-C'	1782	50.0	89100	10692	78408
D-D'	1080	50.0	54000	6480	47520
E-E'	1548	50.0	77400	9288	68112
F-F'	972	50.0	48600	5832	42768
G-G'	1224	50.0	61200	7344	53856
H-H'	1548	50.0	77400	9288	68112
I-I'	826	65.0	53690	6443	47247
<b>Total</b>			<b>507105</b>	<b>60853</b>	<b>446252</b>

Total Non-Mineable Resources of ROM

= 7.5 buffer zone + final pit slope

= 250545 + 507105

= **757650 Cu.M**

Category of reserves		ROM	Black Granite blocks (12%)	Units
<b>Total Geological reserves</b>		<b>1600075</b>	<b>192009</b>	Cu.M
Mineral blocked under	7.5m buffer area	250545	90918	Cu.M
	Pit slope	507105		Cu.M
	Others if any	0		
<b>Total Mineable reserves</b>		<b>842425</b>	<b>101091</b>	<b>Cu.M</b>

**UNFC Classification of Estimated Reserves and Resources**

Classification	Code	Quantity of ROM Cu.M	Blocks Recovery @12% Cu.M
<b>A. Mineral Reserve</b>			
(1) Proved Mineral Reserve G1 Category	111	<b>842425</b>	<b>101091</b>
(2) Probable Mineral Reserve	121+122	--	--
<b>B. Remaining Resources</b>			
(1) Feasibility Mineral Resource	211	--	--
(2) Pre-feasibility Mineral Resource	221 & 222	--	--
(3) Measured Mineral Resource	331	--	--
(4) Indicated Mineral Resource	332	--	--
(5) Inferred Mineral Resource	333	--	--
(6) Reconnaissance Mineral Resource		--	--
<b>Total Mineral Resources (A+B)</b>		<b>842425</b>	<b>101091</b>

### Mineable reserves and Life of the Quarry

Total Geological resources estimated in this application are around **1600075 Cu.M** of Black Granite ROM (i.e., 12% recovery 192009 Cu.M). The mineable reserves are calculated as **842425 Cu.M of ROM (101091 Cu.M of 12% saleable Blocks)**. These mineable reserves are calculated by deducting the reserves blocked under 7.5 mts buffer zone and bench slopes/UPL (**842425 Cu.M of ROM**), with the proposed average annual production of **37690 Cu.M of Black Granite ROM 4523 Cu.M of 12% saleable Blocks**, the expected life of the mine is **22.35 years i.e., 23 years**. The calculations are as given below.

### Life of the quarry:

Saleable reserves/Annual production =  $101091/4523=22.35$  say **23 years**.

Life of the mine has been estimated based on the available proved reserves at the time of preparation of the modified mining plan. However, the life of the mine may change on the review of reserves at the end of modified mining plan period.

Year	Black Granite		Intercalated Waste (88 %)
	Volume	Saleable Mineral (12 %)	
	Cu.M	Cu.M	Cu.M
I Year	36806	4417	32389
II Year	37316	4478	32838
III Year	36628	4395	32233
IV Year	37310	4477	32833
V Year	40390	4847	35543
<b>Total</b>	<b>188450</b>	<b>22614</b>	<b>165836</b>
<b>Average</b>	<b>37690</b>	<b>4523</b>	<b>33167</b>

### 3.0 MINING

#### a. Open Cast Mining

#### (i) Description of existing / proposed method for excavation with all design parameters indicating on plans / sections.

Working of the **M/s Sweety Granites, Prop: Sri D. James** Black Granite quarry by adopting Semi Mechanized (OTFM) open cast method of quarrying shall be continued in the present 5 years quarry during the modified mining plan period. Applicant is capable for deploying adequate machinery and technical manpower to undertake the quarrying operations in safe, scientific and technical manner. Considering the technical parameters like surface topography, stability, rock quality, geotechnical aspects, required rate of production, available resources etc., This deposit is being worked by adopting bench method of opencast quarrying. In the advancement process of workings an open pit shall be formed with multiple benches of 6mts height and width of the benches shall be maintained as per standard norms.

To make the quarrying operations highly feasible, granite blocks being separated by adopting wire saw cutting in the sheet rock zone. Implementation of wire saw cutting will yield more production and reduce the waste. In this quarry, sub-division of blocks is not expected as the blocks being produced are of medium size and not the larger ones. However, infrequently the primary block size of around 6mX4mX2m may dislodge from the host rock. Such primary block will be observed carefully on all six faces for defects, shape and size and later it will be cut in to secondary blocks with help of jackhammer drilling and wedge cutting into various sizes of 3mX2mX2m to 1.6mX1.2mX0.6m depending on market requirements and size of primary blocks. While cutting primary block into secondary sizes some under sized blocks or defective material or shapeless blocks will be generated. This type of unmarketable material will be treated as waste and discarded in the dump yard deploying the tipper trucks. Secondary blocks will be shifted to stock yard, which further dressed to perfect sizes before transporting to the market. All the corners of the blocks will be dressed by hammer and chisel. The bulges and visible flaws will be removed. Common defects may found in the dimensional blocks includes pegmatite /quartz enclaves and micro- fractures.

Due care will be taken in bench designing by straightening and advancing the benches for optimizing quarry operations in technical and scientific manner. Drainage inside the pit does not pose any problem as the groundwater table is much deeper than the ultimate pit depth and the rain fall in the monsoon is not very high.

#### (ii) Proposed Year wise proposed production for the modified mining plan period:

It is proposed to produce **Black Granite blocks** of **22614 Cu.M** aggregates during the five years modified mining plan period with an average annual production of **Black Granite blocks** of **4523 Cu.M** from an area of **12641 M<sup>2</sup>**.The applicant proposed to take up quarrying operations middle of the quarry in the applied area.

**1<sup>st</sup> Year:**

During this year, it is proposed to develop mine in the D-D' and E-E' sections in the applied area to extract a total recovery quantity of **4417 Cu.M** of Black Granite blocks. The applicant proposed to take up quarrying operations from north side of the quarry to south side in the applied area.

Section	Sec Area(Sq.m)	Influence (M)	Volume (Cu.M)	Recovery 12% (Cu.M)	Waste 88% (Cu.M)
D-D'	575	50.0	28950	3474	25476
E-E'	982	8.0	7856	943	6913
<b>Total</b>			<b>36806</b>	<b>4417</b>	<b>32389</b>

**2<sup>nd</sup>Year:**

During this year, it is proposed to develop mine in the E-E' section in the applied area to extract a total recovery quantity of **4478 Cu.M** of Black Granite blocks. The applicant proposed to take up quarrying operations from north side of the quarry to south side in the applied area.

Section	Sec Area(Sq.m)	Influence (M)	Volume (Cu.M)	Recovery 12 % (Cu.M)	Waste 88 % (Cu.M)
E-E'	982	38.0	37316	4478	32838
<b>Total</b>			<b>37316</b>	<b>4478</b>	<b>32838</b>

**3<sup>rd</sup>Year:**

During this year, it is proposed to develop mine in the E-E', F-F' and G-G' sections in the applied area to extract a total recovery quantity of **4395 Cu.M** of Black Granite blocks. The applicant proposed to take up quarrying operations from north side of the quarry to south side in the applied area.

Section	Sec Area(Sq.m)	Influence (M)	Volume (Cu.M)	Recovery 12 % (Cu.M)	Waste 88 % (Cu.M)
E-E'	982	4.0	3928	471	3457
F-F'	285	50.0	14250	1710	12540
G-G'	89	50.0	4450	534	3916
G-G'	280	50.0	14000	1680	12320
<b>Total</b>			<b>36628</b>	<b>4395</b>	<b>32233</b>

**4<sup>th</sup>Year:**

During this year, it is proposed to develop mine in the F-F' and E-E' sections in the applied area to extract a total recovery quantity of **4477 Cu.M** of Black Granite blocks. The applicant proposed to take up quarrying operations from south side of the quarry to north side in the applied area.

Section	Sec Area(Sq.m)	Influence (M)	Volume (Cu.M)	Recovery 12 % (Cu.M)	Waste 88 % (Cu.M)
F-F'	406	50.0	20300	2436	17864
E-E'	567	30.0	17010	2041	14969
<b>Total</b>			<b>37310</b>	<b>4477</b>	<b>32833</b>

**5<sup>th</sup>Year:**

During this year, it is proposed to develop mine in the E-E' and D-D' sections in the applied area to extract a total recovery quantity of **4847Cu.M** of Black Granite blocks. The applicant proposed to take up quarrying operations from south side of the quarry to north side in the applied area.

Section	Sec Area(Sq.m)	Influence (M)	Volume (Cu.M)	Recovery 12 % (Cu.M)	Waste 88 % (Cu.M)
E-E'	567	20.0	11340	1361	9979
D-D'	581	50.0	29050	3486	25564
<b>Total</b>			<b>40390</b>	<b>4847</b>	<b>35543</b>

**Production and Development Calculation During this five years operations:**

Year	Section	Sectional Area	C/S Influence	Volume of ROM	Black Granite blocks (12%)	Intercalated Waste (88%)
		Sq. Mts	Mts	Cu.M	Cu.M	Cu.M
1 <sup>st</sup> Year	D-D'	579	50.0	28950	3474	25476
	E-E'	982	8.0	7856	943	6913
	<b>Total</b>			<b>36806</b>	<b>4417</b>	<b>32389</b>
2 <sup>nd</sup> Year	E-E'	982	38.0	37316	4478	32838
	<b>Total</b>			<b>37316</b>	<b>4478</b>	<b>32838</b>
3 <sup>rd</sup> Year	E-E'	982	4.0	3928	471	3457
	F-F'	285	50.0	14250	1710	12540
	G-G'	89	50.0	4450	534	3916
	G-G'	280	50.0	14000	1680	12320
	<b>Total</b>			<b>36628</b>	<b>4395</b>	<b>32233</b>
4 <sup>th</sup> Year	F-F'	406	50.0	20300	2436	17864
	E-E'	567	30.0	17010	2041	14969
	<b>Total</b>			<b>37310</b>	<b>4477</b>	<b>32833</b>
5 <sup>th</sup> Year	E-E'	567	20.0	11340	1361	9979
	D-D'	581	50.0	29050	3486	25564
	<b>Total</b>			<b>40390</b>	<b>4847</b>	<b>35543</b>
<b>Grand Total</b>			<b>188450</b>	<b>22614</b>	<b>165836</b>	
<b>Average</b>			<b>37690</b>	<b>4523</b>	<b>33167</b>	

**(ii) Indicate year wise tentative excavation in cubic meters indicating development, ROM**

It is proposed to raise the in-situ mineral **Black Granite** of **188450 Cu.M (@12% of blocks 22614 Cu.M)** for five years modified mining plan period from the applied area. The workings will be carried out by semi mechanized open cast method with the help of vertical mounted drilling. The ROM will be graded and cutting in to required size of blocks. The granite blocks will be directly sent to the consumer. During this modified mining plan period, the workings will be carried out by Semi Mechanized (OTFM) open cast method.

(iii) **Describe briefly giving salient features of the proposed method of working indicating Category of mine:**

It is a small Black Granite Quarry falls under Category 'B' and proposed to operate by adopting semi-mechanized open cast quarrying method (OTFM).

**Briefly describe the method of working involved in:**

The following operations shall be conducted during Black Granite quarrying:

**Drilling and Drill hole & Diameter:**

To open up the working face line drilling with vertical mounted drills will be executed. Standard pneumatic jack hammer drills shall be used with drill rod dia of 28mm/32mm for drilling to dislodge the blocks from mother rock and the length of the holes shall kept up to 3m long.

**Depth and inclination of drill holes:**

The holes are generally drilled vertically. In case of primary cuts horizontal holes shall also drilled to dislodge the blocks from mother rock. But sometimes, inclined holes will also be drilled along the planes of weakness for effective operations and optimized yield.

**Spacing and burden:**

The spacing shall be about 20cm from hole to hole and the burden goes up to 1.6m to 2.0 m for the splitting of rock.

**Blasting:** Blasting operations will be occasionally carry out using mild explosives within waste rock/ development area after obtaining necessary permissions.

**Removal /Excavation of O.B. and other quarry waste:**

The O.B. consists of small quantity of soil, weathered/ defective granite rock and under sized blocks. These shall be discarded in to the proposed dump yard situated at adjacent to the south part of the applied area. Location of the dumping site depicted in the Environment Plan enclosed as **Plate Nos.:5**.

**Separation of Primary Blocks from Mother Rock:**

Vertical and horizontal holes at 6 inch to 1 feet distance shall be drilled using jackhammer drills and the primary blocks will be wedged out. Once working face opened, wire saw cutting machine shall be used for separation of primary blocks from mother rock. It is estimated that to produce marketable blocks.

**Sub division of large primary blocks in to secondary blocks:**

The same method shall be used as described in the previous paragraph. Once the primary blocks are dislodged from host rock the secondary blocks will be cut keeping in view of the market conditions and handling capacity of the equipment.

**Production of Commercial Block:**

The main idea is to bring the blocks to proper dimension after chipping the rough corners. It is done manually using hand held wedges. Flaws like white lines, fractures and penetrative cracks shall be taken care off at this stage of forming marketable blocks.

**Magazine, type and capacity:**

Blasting operations are very infrequent and same shall be outsourced to an authorized agency after obtaining all necessary permission. Hence, no proposal made for the magazine within the quarry area.

**(iv) Conceptual Mining plan**

Total Geological resources estimated in this applied area are around **1600075 Cu.M** of Black Granite ROM (i.e., 12% recovery 192009 Cu.M). The mineable reserves are calculated as **842425 Cu.M of ROM (101091 Cu.M of 12% saleable Blocks)**, These mineable reserves are calculated by deducting the reserves blocked under 7.5 mts buffer zone and bench slopes/UPL (**842425 Cu.M of ROM**), with this proposed average annual production of **37690 Cu.M of Black Granite ROM (4523 Cu.M of 12% saleable Blocks)**, the expected life of the mine is **22.35 years i.e., 23 years**.

**The year wise workings and the production, going to be achieved for five years is detailed below.**

Year	Total tentative Exaction (ROM) (Cu.M)	OB/SB/IB in (Cu.M)	ROM from Mineralized Zone (Cu.M)				ROM waste ratio
			Clean blocks	Sub grade ore	Mineral reject	Waste from ROM	
			12 %	-	-	88%	
1 <sup>st</sup> Year	36806	-	4417	-	-	32389	1:0.88
2 <sup>nd</sup> Year	37316	-	4478	-	-	32838	1:0.88
3 <sup>rd</sup> Year	36628	-	4395	-	-	32233	1:0.88
4 <sup>th</sup> Year	37310	-	4477	-	-	32833	1:0.88
5 <sup>th</sup> Year	40390	-	4847	-	-	35543	1:0.88
<b>Total</b>	<b>188450</b>	<b>-</b>	<b>22614</b>	<b>-</b>	<b>-</b>	<b>165836</b>	<b>1:0.88</b>
<b>Average</b>	<b>37690</b>	<b>-</b>	<b>4523</b>	<b>-</b>	<b>-</b>	<b>33167</b>	<b>1:0.88</b>

**(v) Dump management**

In the present modified mining plan period total quantity of waste likely to be generated will be **165836 Cu.M**. The total waste will be dumped on proposed waste dump proposed in North side in the applied area. Waste mainly consists of defective rock, small blocks of Black Granite rock below that of marketable ones and minor portion of weathered material. Some of the material may found use in maintenance of haulage roads and formulation of gully plugs, garland drains, retaining walls, etc. Bulk of the waste material needs to be dumped separately to use it for backfilling of the exhausted area during quarry closure. If any soil generated during quarrying will be utilized for afforestation purpose. Drains shall be provided and the dump will be terraced. Garland drains shall be formulated all along the leading edge of the dump and plantation shall be made to arrest the wash-off during monsoon. The water flowing out draining the dump shall be made silt- free by constructing gully checks and siltation tank.

**b) Underground Mining:**

Nil

#### 4.0 MINE DRAINAGE

##### a) **Minimum and Maximum Depth of Water Table:**

The applied area is a hilllock with steep slope at maximum height of 70m above existing ground level. There are no water bodies existing in the applied area. Ground water table is observed to be ranging between 60 to 100m below Ground level.

##### b) **Maximum and Minimum Depth of Workings:**

Maximum depth of workings and Minimum depth of workings in the applied area is 353m RL and 325m RL during the ensuing modified mining plan period.

##### c) **Quantity and Quality of Water Likely to be Encountered:**

Proposed quarry workings confined to the elevated mound of Black Granite/Sheetrock and the general ground level is around 325 m MSL in the applied area. The anticipated depth of quarry operations during ultimate stage is 325m RL. As the depth of water table is around 60 m to 100 m below the general ground level there are no possibilities of encountering ground water in quarry workings.

##### d) **Regional and Local Drainage Pattern:**

The terrain represents dendritic to sub dendritic drainage patten, which comprised of several small rain fed runoff channels originating from the elevated areas. The area receives annual rain fall of around 934 mm. No seasonal or perennial nallahs or drains situated within the quarry area. Hence, there is no additional water flowing within the quarry area other than surface runoff. Surface runoff from quarry area carries fine silt by incorporating dust and suspended solids, to obviate this it is proposed to formulate garland drains, gully checks and siltation tank in the appropriate.

#### 5.0 STOCKING OF MINERAL REJECT / SUB-GRADE MATERIAL AND DISPOSAL OF WASTE

The dumps will have to design in such that it will have slopes equal to angle of repose of such material. Drains will be provided and the dump terraced. Garland drains have to be sunk along around the leading edge of the dump and trees have to be grown to arrest the run off rain water. The generated waste will be dumped on the North side of the quarry applied area covering an area of **0.440 Hectares** with 45° slope angle. Estimated waste quantity that will be generated during this modified mining plan period will be **165836 Cu.M.**

Dumping shall be carried out in terrace pattern for better stabilization.

## 6.0 USE OF MINERAL AND MINERAL REJECT

**Use of mineral:** The Black Granite varieties of proposed Quarry applied area possess good demand in domestic & export markets. The proponent is intended to trade the Black Granite in local and export markets based on the market conditions such as price, demand, etc. the applicant is capable of maintain schedule in meeting the export demand.

**Mineral reject:** No Mineral rejects are anticipated.

## 7.0 PROCESSING OF ROM AND MINERAL REJECT

A total of **188450 Cu.M** of Rock Mass will be excavated during next five years to retrieve **22614 Cu.M** of Market Grade Rough Blocks, there by generating **165836 Cu.M** of Rock Waste.

Rule 22 of GCDR – 1999 as mentioned separate stacking of non-saleable granite:

1. The non-saleable granite rejects at quarry bottom should regularly be collected and transported to the surface and the quarry floor kept reasonably clear of debris.
2. Small granite blocks from such non-saleable granite suitable for possible use in manufacture of blocks as well as flooring or wall tiles by small scale industries sector shall not be used as road metal or stone aggregate and such material shall be segregated from the dumps of granite rejects and stored separately for future use as far as possible whenever such dumps are worked for recovery of stone aggregate or used as quarry backfill.

**165836 Cu.M** of the waste is estimated to be generated during the five years modified mining plan period. It is observed that about 50% can be sorted out and used for making tiles by the local units and used as building stone & road metal as per rule 22 (2) of GCDR – 1999 and about 10% may be the quarrying loss. For using or selling 50% of the waste generated for tiles and building stone/road metal the applicant will seek necessary permissions and permits from the concerned authorities. The remaining 40% will be treated as waste. It will be dumped in the proposed waste dump. The tentative estimation of production of sub grade and waste for the 5years modified mining plan period is mentioned below.

Waste generated in Cu.M for next 5 yrs	Building Stone/Road Metal and tiles @ 50% in Cu.M	Quarrying Loss @ 10% in Cu.M	Waste @ 40% in Cu.M
<b>165836</b>	<b>82918</b>	<b>16583</b>	<b>66334</b>

The market for tiles is good at the moment and will offer a better substitute for marble in terms of price and quality. Some rejected and unsorted material may be used in the civil engineering projects in the vicinity of the area. The applicant may also establish a crusher in the vicinity of the quarry so that the waste material can also be used for captive consumption. The waste and sub grade generated during the five years may be dumped separately in the respective yard within the area. The dump will be designed in such that it will have slopes equal to the angle of repose of such material. Drains will be provided and the dump terraced. Garland drains have to be sunk along around the leading edge of the dump as per Rule 22 (1) of GCDR-1999.

## 8.0 OTHERS

- a) **Site Services:** It is proposed to provide the site services like Mines office and other statutory constructions like rest shelter, first aid, work shed and drinking water as required in the applied area. Drinking water will be supplied to the workers from the bore well opened in the adjacent agricultural field or by a water tank.

### Infra-structure:

Manager's Room

Rest Room

Toilets

First Aid

Drinking Water

Site services have been depicted on relevant plates.

- Provision is made in the Manager's Room

- Provision is made in the Rest Room



## b) Employment Potential:

a.	Highly skilled	Mines Manager	1
		Mining Mate	1
b.	Skilled & Semi-skilled	Excavator operator	1
		Operators (wire saw etc)	4
		Workers	4
			-----
	Total personnel in Mining Operations		11

## c. Safety Gears:

- ✓ Pre-Employment Health Check-up for all New Employees.
- ✓ Periodical Health Check-up for all Employees.
- ✓ First Aid Box at Site, with trained First Aiders.
- ✓ Providing Sufficient and Fit-To-Wear PPE (like helmets, mask, and safety shoes etc) for all employees, working in the quarrying activity.
- ✓ **Providing rest shelter and toilet facilities for all employees.**
- ✓ **Providing Initial training for all employees from VTC/ GVTC.**

## d. Extent of Mechanisation

Since it is proposed to undertake semi-mechanized mining operations, the below mentioned mine machinery will be deployed.

S.No	Machinery	Capacity	No's
1	Compressor	200	3
2	Drilling Machines	200 cfm	3
3	Jack Hammers	33 mm	6
4	Drill Roads for Diamond wire saw cutting	74 mm	4
5	Excavators	1.2 Cu.M	2
6	Tippers	40 T	3
7	Tractor with Water Tanker	5,000 L	1
8	Jeep	-	1
9	Diamond wire saw Machines (Mortar Driven)	15 HJ	2

**PART - B**  
**ENVIRONMENT MANAGEMENT PLAN**

**1.0 ENVIRONMENT BASE LINE INFORMATION:****Existing Land Use Pattern:**

The Quarry applied area is a Forest land. The quarry applied area is a fresh area. The applied Quarry applied area is a barren land and surrounding lands are also barren. Environmental Plan on a scale of 1:5000 is enclosed.

Sl. No.	Details	Existing Land use	Additional requirement area during the plan period	Land use at the end of the plan period	Land use at the end of conceptual period
		(Ha.)	(Ha.)	(Ha.)	(Ha.)
1	Area under mining	0.000	1.264	1.264	-
2	Storage for top soil	0.000	0.000	0.000	-
3	Proposed Waste dump	0.000	0.440	0.440	-
4	Overburden dump	0.000	0.000	0.000	-
5	Mineral storage	0.000	0.240	0.240	-
6	Infrastructure/ crusher	0.000	0.020	0.020	-
7	Roads	0.000	0.330	0.330	-
8	Railways	0.000	0.000	0.000	-
9	Green belt(in 7.5 buffer zone)	0.000	0.920	0.920	-
10	Tailing pond	0.000	0.000	0.000	-
11	Others:	0.000	0.000	0.000	-
	<b>Sub- total</b>	<b>0.000</b>	<b>3.214</b>	<b>3.214</b>	-
	Virgin area	0.000	1.766	1.766	-
	<b>Total</b>	<b>4.980</b>	<b>4.980</b>	<b>4.980</b>	-

Land use details are depicted on the Land use plan which is enclosed.

**Human Settlements:**

Distance, direction and population of the nearby villages of the applied area are given below. The main profession of the people is agriculture, rearing sheep and cows and other small business and labour on daily wages.

Sl.No	Village	Distance in KM	Direction	Population in Nos
1	Pachigunta	1.3 km	NW	700
2	Kalepalli	2.0 km	West	1000
3	Vinijam	3.6 km	NW	800
4	Pullur	4.7 km	East	300

**Public Buildings, Places of Worship and Monuments:** No public buildings, places of worship or interest and monuments are present in the vicinity of applied area.

**Sanctuary if any in the Vicinity of the Lease Hold:** No sanctuary, zoo or parks are present in the vicinity of the applied area.

## 2.0 ENVIRONMENT IMPACT ASSESSMENT:

**a. Land Area Degraded:**  
An area of about **1.264 Ha** will be degraded for the working pit during 5 yrs period.

No.	Head	Forest area required for the entire lease period (in Ha.)	Forest area required for 1 <sup>st</sup> five year plan period (in Ha.)	Total area remains unutilized after 1 <sup>st</sup> five years (in Ha.)	
(1)	(2)	(3)	(4)	(5= (3-4))	
1	Area under Mining (which includes small portion of area i.e. for site services like first aid etc and internal roads which will be in temporary in nature and shifted / made as per the convenient)	<b>2.730 ha</b>	1 <sup>st</sup> Year	0.437 ha	<b>1.446 ha</b>
			2 <sup>nd</sup> Year	0.274 ha	
			3 <sup>rd</sup> Year	0.481 ha	
			4 <sup>th</sup> Year	0.072 ha	
			5 <sup>th</sup> Year	0 ha	
			<b>Sub - Total</b>	<b>1.264 ha</b>	
			Infrastructure	0.020 ha	
			<b>Total</b>	<b>1.284 ha</b>	
2	Waste Dumping (which includes mineral storage)	<b>1.000 ha</b>	1 <sup>st</sup> Year	0.220 ha	<b>0.320 ha</b>
			2 <sup>nd</sup> Year	0.220 ha	
			3 <sup>rd</sup> Year	0 ha	
			4 <sup>th</sup> Year	0 ha	
			5 <sup>th</sup> Year	0 ha	
			<b>Sub - Total</b>	<b>0.440 ha</b>	
			Mineral storage	0.240 ha	
<b>Sub - Total</b>	<b>0.680 ha</b>				
3	Approach Road	<b>0.330 ha</b>	<b>0.330 ha</b>	<b>0 ha</b>	
4	Railways	0 ha	0 ha	0 ha	
5	Tailing Pond	0 ha	0 ha	0 ha	
6	7.5 mtr safety zone along Mining area (Green belt)	<b>0.920 ha</b>	<b>0.920 ha</b>	<b>0 ha</b>	
		<b>4.980 ha</b>	<b>3.214 ha</b>	<b>1.766 ha</b>	

b.	<p><b>Air Quality:</b>            Various activities involved in mining of road metal and building stone generate minimum dust to some extent dust generated will be controlled by sprinkling of water on roads. Masks, earplugs and safety goggles will be supplied to the workers on site to protect themselves from dust.</p> <p><b>The following preventive measures were planned for air quality management:</b></p> <ul style="list-style-type: none"> <li>➤ Water spaying on roads &amp; working places will be carried out at regular intervals to control the air borne dust.</li> <li>➤ Sharp drill bits will be used and wet drilling will be practiced.</li> <li>➤ Loading and speeding of trucks will be controlled to prevent spillage on the way.</li> <li>➤ Ore carrying trucks will be covered with tarpaulins to prevent spillage &amp; flying of ore fines due to wind velocity.</li> <li>➤ Haul roads and service roads will be graded regularly to clear accumulation of any loose material.</li> <li>➤ Monitoring of air quality regularly to take necessary steps to keep the polluting constituents within the permissible limits.</li> </ul> <p><b>Standards of air quality is shown in the table below:</b></p> <table border="1" data-bbox="470 1084 1321 1344"> <thead> <tr> <th>Base level</th> <th>Allowable level</th> </tr> </thead> <tbody> <tr> <td>SPM = 140 <math>\mu\text{g}/\text{m}^3</math></td> <td>360 <math>\mu\text{g}/\text{m}^3</math></td> </tr> <tr> <td>RSPM = 60 <math>\mu\text{g}/\text{m}^3</math></td> <td>120 <math>\mu\text{g}/\text{m}^3</math></td> </tr> <tr> <td>SO<sub>2</sub> = 40 <math>\mu\text{g}/\text{m}^3</math></td> <td>80 <math>\mu\text{g}/\text{m}^3</math></td> </tr> <tr> <td>NO<sub>2</sub> = 40 <math>\mu\text{g}/\text{m}^3</math></td> <td>80 <math>\mu\text{g}/\text{m}^3</math></td> </tr> <tr> <td>CO = 1.0<math>\mu\text{g}/\text{m}^3</math></td> <td>5.0 <math>\mu\text{g}/\text{m}^3</math></td> </tr> </tbody> </table>	Base level	Allowable level	SPM = 140 $\mu\text{g}/\text{m}^3$	360 $\mu\text{g}/\text{m}^3$	RSPM = 60 $\mu\text{g}/\text{m}^3$	120 $\mu\text{g}/\text{m}^3$	SO <sub>2</sub> = 40 $\mu\text{g}/\text{m}^3$	80 $\mu\text{g}/\text{m}^3$	NO <sub>2</sub> = 40 $\mu\text{g}/\text{m}^3$	80 $\mu\text{g}/\text{m}^3$	CO = 1.0 $\mu\text{g}/\text{m}^3$	5.0 $\mu\text{g}/\text{m}^3$
Base level	Allowable level												
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CO = 1.0 $\mu\text{g}/\text{m}^3$	5.0 $\mu\text{g}/\text{m}^3$												
c.	<p><b>Water Quality:</b>            There are no water bodies like ponds, lakes or streams in the vicinity of applied area. Quarrying of Gravel generates minimal dust, which is not harmful. Hence, the quality of the water in the surrounding water bodies will not be affected by the mining activity.</p>												
d.	<p><b>Noise Level:</b>            In the quarry operations the machinery like jack hammer drilling compressor and excavators will generate sound pollution. The noise levels are generally high in this case there is no effective way to control the noise levels. For this reason the persons likely to be exposed to higher levels of noises are provided earplugs. The ambient quality of standards in respect of noise for an industrial area as given by the DGMS is 80db. The applied area does not have any villages in the immediate. To limit the noise generated the applicant processes to follow the measures mentioned below:</p>												

- Lubrication , maintenance and speed limitations of trucks
- Providing earplugs to the persons for protection.



Duration/ day (hrs)	Sound level in dbs
1/8	115
1/4	110
1/2	105
1	100
2	95
4	90
8	85
16	80

- e. Vibration Levels due to Blasting:**  
Only noise of drilling & blasting was anticipated and vibrations are within limits.
- f. Water Regime:**  
Mining activity proposed is over the elevated mound and the maximum level of the pit will be 325 m MSL that is the lowest elevation of the existing ground in the applied area as the Ground Water is at expected to be at a depth more than 60-100 m in the applied area Ground water will no way will be affected.
- g. Acid Mine Drainage:**  
No chemicals are involved in the extraction or processing of the ore, hence there is no danger of acid mine drainage.
- h. Surface Subsidence:**  
The ground surface in around the applied area is covered by Granites of Archaean Basements complex the ground is stable. Internal roads are well compacted to avoid any skidding of vehicles. The benches and ramp ways will be well built and maintained to avoid any kind of subsidence or skidding.
- i. Socio Economics:**  
Mining of Black Granite will generate employment to the people of surrounding villages both skilled and unskilled. Government will get income in the form of royalty, rent etc. Raw material for the road and civil works will be generated by the mining activity that will be one of the boosting factors for the local economy.
- j. Historical Monuments:**  
No historical, Archaeological or Geological monuments are present in and around the applied area.
- k. Bio-Diversity:**  
The slopes and crevices of the mount have some bushes and shrubs. No wild animals are reported within these bushes.

The item - wise compliance position and proposals for next five years modified mining Plan period are briefly discussed below table.

Items / Particulars	Proposals for the next five years modified mining plan period										
Top - Soil Storage, preservation and utilization	<p>No storage deposits of Top soil in the mining applied area.</p> <p>The waste that would be generated is estimated as 88% of quantity <b>165836 cu.m</b> during the first five years modified mining Plan period. The generated waste will be utilized to strengthen the internal roads of the quarry applied area periodically.</p>										
Land Reclamation and Rehabilitation	The present lease is a fresh grant. In the present modified mining plan period no reclamation or rehabilitation is planned.										
Waste Dump Management	The present management is limited to scientific and systematic dumping. The stabilization of dump will be taken up during final mine closure period.										
Afforestation programme with precautions proposed for survival & protection plantation	<p>Proposal of afforestation for modified mining plan period is given below:</p> <table border="1" data-bbox="581 916 1404 1143"> <thead> <tr> <th>Year</th> <th>Plants/1m<sup>2</sup></th> <th>Area (Ha.)</th> </tr> </thead> <tbody> <tr> <td>I Year</td> <td rowspan="5">1000 plants totally will be planted in the first year and further four years will be taken for regular watering and care.</td> <td rowspan="5">0.920</td> </tr> <tr> <td>II Year</td> </tr> <tr> <td>III Year</td> </tr> <tr> <td>IV Year</td> </tr> <tr> <td>V Year</td> </tr> </tbody> </table> <p>It is proposed to plant the local species like Neem, Teak, Tamarind, Silver oake, Eucalyptus etc. in the 7.5 mts buffer area along the lease boundary, precautions proposed for survival and protection are watering the afforested area and providing watch &amp; ward. Survival rate is expected to be about 15%.</p>	Year	Plants/1m <sup>2</sup>	Area (Ha.)	I Year	1000 plants totally will be planted in the first year and further four years will be taken for regular watering and care.	0.920	II Year	III Year	IV Year	V Year
Year	Plants/1m <sup>2</sup>	Area (Ha.)									
I Year	1000 plants totally will be planted in the first year and further four years will be taken for regular watering and care.	0.920									
II Year											
III Year											
IV Year											
V Year											
Quality of air	Basically there will be dust generation during mining. It is proposed to sprinkle water on roads for the suppression. In addition as a contingency measure the persons working will be provided with nose masks.										
Quality & make of water including surface & ground water	The area is barren. The rain levels are also very less. The water requirements will be met from local village. The project shall not draw any water from ground.										
Noise Level-sources of noise to be identified	Noise is generated due to machines. Highest noise is from jackhammers. The moving machinery also produces noise. It is not possible to completely reduce the noise. Instead the persons will be provided with ear muffs.										
Vibration-pattern of blast holes & design of blast with details of sufficient number of experimental blasts conducted	The type of operation proposed does not need any blasting. Any overburden encountered will be dealt with 'Gun powder'. For this reason there will not be any considerable vibration levels. The vibrations due to machinery will be reduced through correct maintenance practices.										
Treatment of mine water & affluent / toxic substances before discharge.	Not required as the mining operations will not be discharging any toxic substances or effluents.										



**PART - C**  
**PROGRESSIVE MINE CLOSURE PLAN**

**3.0 PROGRESSIVE RECLAMATION PLAN:**

The present applied area is a fresh grant. Land restoration and reclamation is very much essential in any mining industry. Once the mining activity in this area, there will be change in the ground profile in the form of pit and waste dumps.

The ore bearing area will be semi mechanically mined-out up to the ultimate pit limit maintaining required bench height and width with due consideration for slope stability. Some part of the about 1.000 ha pit area is proposed for reclamation / backfilling as entire area will be active in mining operation up to the end of lease period.

After developing the quarry up to 10 years the applicant will be proposed to back fill the pit with the waste.

**663344 Cu.M** of the waste is estimated to be generated during the 20 years lease period. It is observed that about 50% can be sorted out and used for making tiles by the local units and used as building stone & road metal as per rule 22 (2) of GCDR – 1999 and about 10% may be the quarrying loss. For using or selling 50% of the waste generated for building stone/road metal and tiles the applicant will seek necessary permissions and permits from the concerned authorities. The remaining 40% will be dumped as waste. It will be used for back filling the quarry from the 11<sup>th</sup> year. The tentative estimation of production of sub grade and waste for the lease period of 20 years is mentioned below.

Waste generated in Cu.M for next 20 yrs	Building Stone/Road Metal and tiles @ 50% in Cu.M	Quarrying Loss @ 10% in Cu.M	Waste @ 40% in Cu.M
<b>663344</b>	<b>331672</b>	<b>66334</b>	<b>265338</b>

In this 5 years plan period plantation is proposed in the safety zone (7.5 Mts buffer Safety Zone Area) . It is proposed to undertake semi mechanized opencast method of mining. During production in 5 years period a little quantity of waste material will be generated from the workings.

**Afforestation:**

The applicant proposed to take up plantation in the safety zone or will deposit the required amount in the CAMPA account so as to carry out plantation in the safety zone area by the Forest Dept. as the case may be.

#### 4.0 MINED-OUT LAND:

No mine out land will be formed during the first five years modified mining plan period. The mineral reserves exist far deeper than the UPL of this modified mining plan period and mining will continue for the rest of the lease grant period.

Land Use Pattern of the Mining area during the next 5 years will be as follows:

No.	Head	Forest Area required for the entire lease period (in Ha.)	Forest area required for 1 <sup>st</sup> five year plan period (in Ha.)	Total area remains unutilized after 1 <sup>st</sup> five years (in Ha.)	
(1)	(2)	(3)	(4)	(5= (3-4))	
1	Area under Mining (which includes small portion of area i.e. for site services like first aid etc and internal roads which will be in temporary in nature and shifted / made as per the convenient)	<b>2.730 ha</b>	1 <sup>st</sup> Year	0.437 ha	<b>1.446 ha</b>
			2 <sup>nd</sup> Year	0.274 ha	
			3 <sup>rd</sup> Year	0.481 ha	
			4 <sup>th</sup> Year	0.072 ha	
			5 <sup>th</sup> Year	0 ha	
			<b>Sub - Total</b>	<b>1.264 ha</b>	
			Infrastructure	0.020 ha	
			<b>Total</b>	<b>1.284 ha</b>	
2	Waste Dumping (which includes mineral storage)	<b>1.000 ha</b>	1 <sup>st</sup> Year	0.220 ha	<b>0.320 ha</b>
			2 <sup>nd</sup> Year	0.220 ha	
			3 <sup>rd</sup> Year	0 ha	
			4 <sup>th</sup> Year	0 ha	
			5 <sup>th</sup> Year	0 ha	
			<b>Sub - Total</b>	<b>0.440 ha</b>	
			Mineral storage	0.240 ha	
			<b>Sub - Total</b>	<b>0.680 ha</b>	
3	Approach Road	<b>0.330 ha</b>	<b>0.330 ha</b>	<b>0 ha</b>	
4	Railways	0 ha	0 ha	0 ha	
5	Tailing Pond	0 ha	0 ha	0 ha	
6	7.5 mtr safety zone along Mining area (Green belt)	<b>0.920 ha</b>	<b>0.920 ha</b>	<b>0 ha</b>	
		<b>4.980 ha</b>	<b>3.214 ha</b>	<b>1.766 ha</b>	

#### 5.0 TOPSOIL MANAGEMENT:

There is no Top soil present in the applied area hence topsoil management does not arise.

## 6.0 **TAILINGS DAM MANAGEMENT:**

No Tailings Dam is required.

## **ACID MINE DRAINAGE AND MITIGATION MEASURES:**

No chemicals are involved in the extraction or processing of the ore, hence there is no danger of acid mine drainage.

**Surface Subsidence Mitigation Measures:** The ground surface in around the applied area is covered by Granites of Archaean Basements complex the ground is stable. Internal roads are well compacted to avoid any skidding of vehicles. The benches and ramp ways will be well built and maintained to avoid any kind of subsidence or skidding.

## 7.0 **DISASTER MANAGEMENT AND RISK ASSESSMENT:**

The applied area can be approached by travelling from Chittoor – G.D.Nellore – Ballja Kandriga Road up to Kalepalle Cross thereby taking right diversion via Kalepalli upto Pichireddipalli and thereby cart track leads to the applied area. The applied area is 1.3 km NW of Pachigunta Village and 2 kms ESE of Kalepalli (Vg).

The nearest road is Chittoor - Pallipattu is located at a distance of 7.8 Km south of applied area. The nearest railway station is Chittoor Railway station at a distance of 25.0 kms. Tirupati (Renigunta) airport is at a Distance of 81.0 kms from the applied area and the nearest port is Chennai port at a distance of 129.0 kms form the applied area.

### **RISK ASSESSMENT:**

Black Granite is extracted by other than fully mechanised open cast mining method risk of disasters is discussed below.

No high risk accidents are anticipated as it is small scale semi-mechanised mining with essential light machinery. The applied area is not prone for landslides, seismic activities, subsidence, floods, in undation etc as there are no rivers and habitation in the vicinity of probable disaster from the applied area. The Granite is competent rock so no sliding or fall is anticipated.

However, in case of any eventuality, a model disaster management plan is given below.

**Scales of rating for calculating disaster Consequence, Exposure and Probability:**



<b>Consequence (C)</b>	Ranking
Several dead	5
One death	1
Significant chance of fatality	0.3
One permanent disability / least chance of fatality / serious accident	0.1
Many minor injuries / lost time injuries	0.01
One minor injury	0.001
No time loss injury	0.001
<b>Exposure (E)</b>	Ranking
Continuous	10
Frequent (daily happening)	5
Seldom (weekly)	3
Unusual (may be once a month)	2.5
Occasionally (yearly)	2
Very rare (once in 5 years)	1.5
Once in 10 years	0.5
Once in 100 years	0.02
Never in the world in any industry	0.01
<b>Probability of event (P)</b>	Ranking
May well be expected	10
Quite possible	7
Unusual but possible	3
Only remotely possible	2
Conceivable but unlikely	1
Practically impossible	0.5
Virtually impossible	0.1

However, in case of any eventuality, a model disaster management plan is given below.

**A MODEL DISASTER MANAGEMENT PLAN:**

The applicant/lessee has formulated the disaster Management plan keeping all eventualities in mind.

Disaster Management is the art of functioning under conditions of extreme difficulty. It is the ability to take cool rational decisions in a crisis situation filled with tension and even danger. It is the ability to function effectively when all known chains of command have been broken and when even channels of communication have failed. In short, it is the ability to function in chaos. It is in this situation that cool and clear thinking is necessary and decisions have to be taken quickly and effectively. Reflex time factor, efficient use of resources, return back to normalcy are all required and above all not to aggravate damage. It is a situation where blame game is high and tempers flare. In short a totally hostile atmosphere. In mine major accidents like Roof collapse, pillar failures. Fire inundation due to breach or heavy rainfall, breach of dam, tank bund etc. in the upper stream could turn to be a disaster.

**1. Objectives:**

The main objectives to be ensured.

- I. Save lives and alleviate suffering
- II. Protect property
- III. Ascertain the cause of the accident
- IV. Restore normalcy
- V. Install a sense of security and confidence in the minds of the affected people.

**2. Resources of all departments to be made available:**

The applicant/Lessee will be monitoring the total execution of the disaster management plan.

The resources of all departments including men and material shall be promptly made available. Every facility must be afforded to the Civil police, Medical officers.

**3. Important responsibilities of officials present at site:**

The persons involved in the chain of action are :

- a. Mine Foreman
- b. Mine Manager
- c. Mine Agent/ Owner

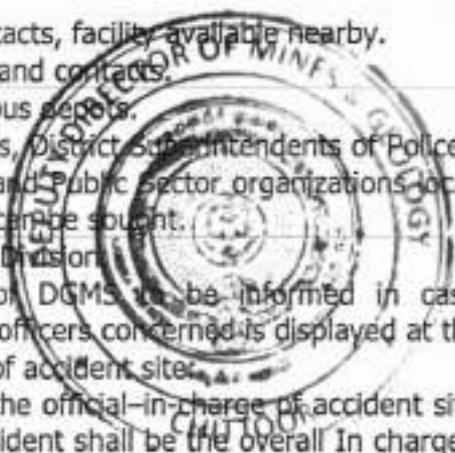
**a. Mine Foreman :**

The mine Foreman who is the In-charge at site, on observation/hearing the news of any disaster in his jurisdiction shall inform the mine manager immediately. He shall ensure at the site of disaster the necessary first aid to the injured. He shall withdraw the entire workman from the site by suspending all operations. Till such time relief and assistance arrive and a more senior official replaces him. He shall take charge of the situation. He shall not disturb the site of disaster except for saving the personnel. He shall ensure that the accident has been reported properly to the Mine manager who is said to be the controller.

**b. Mine Manager:**

On getting the information from the site in-charge (Foreman), he shall immediately pass on the information correctly to the agent / owner and shall follow the actions referred below:

- (i) Collect volunteers
- (ii) Allot duties to each as best as possible under the prevailing circumstances
- (iii) Allot duties to security staff to control the situation
- (iv) Organise relief with the assistance of volunteers
- (v) Manger/Officer-in-charge present during an accident shall take note of the exact time of the accident, besides other important details connected with the accident
- (vi) The following lists shall be made available at mines (along with current telephone numbers wherever provided):
  - A) List of fire-fighting arrangements.
  - B) List of ambulance services with location.
  - C) List of volunteer organizations.
  - D) Rotary Club, etc.,
  - E) List of Civil, Police and other authorities to be informed in case of an accident.
  - F) List of fire fighting arrangements.
  - G) List of mobile crane operators (Government, Public Sector, and Private Sector).

- 
- H) List of mines, contacts, facility available nearby.
  - I) List of first aiders and contacts.
  - J) List of Transport bus depots.
  - K) District Magistrates, District Superintendents of Police.
  - L) Heads of Private and Public Sector organizations located in the division from whom assistance can be sought.
  - M) Road Maps of the Division.
  - N) List of Officers of DGMS to be informed in case of serious accidents. Concerned DGMS officers concerned is displayed at the mine head.
  - O) Official in charge of accident site.  
Mine manager is the official in charge of accident site and who is present at the site of the accident shall be the overall In charge of relief operations and all the staff shall comply with his Instructions.

- (vii) Particulars to be conveyed by official at the site of accident while conveying first information:  
The information should be precise and clear  
The Time and date of accident  
Brief description of accident/nature of accident  
Whether any injury, number of persons injured/killed  
Prima facie cause, if known

- (viii) Speedy transport of injured persons to hospital:  
After receiving first aid, all seriously injured persons will be transported, as speedily as possible to the hospital station as decided by the Medical Officer in charge appointed.

- (ix) Arrangements for reception of patients at hospitals
- A) Timely advice will be given to the civil hospital of the number of injured persons proposed to be shifted there and the time that they are expected to arrive at the hospital station.
  - B) Ambulances or suitable road vehicles shall also be requisitioned from the hospital station. If adequate transport cannot be arranged for by such means, transport will be hired from **G.D. Nellore (a Mandal Head-quarter) and Chittoor (a District Head-quarter)**.  
Examination of evidence and prevention of clues.

- (x) Mine Manager, who may happen to be present at the time an accident occurs or who first arrives at the scene of accident shall carefully examine and make a note of all the evidence which may prove useful in ascertaining the cause of the accident and record the results of the examination.

In the event of more than one Officer or senior subordinate being present at the site of the accident or arriving first at the site of the accident, the report shall be signed by all the Officers

**c. Mine Agent/owner**

On receipt of the information about the disasters or incident the owner or an agent in his absence shall reach the site immediately and take the control of the entire situation and perform/observe the following in a manner of sequence as given below:

Depending on the gravity of the situation, **M/S Sweety Granites, Prop: Sri D.James** will establish direct contacts with civil and police authorities.

**Information to Civil and police authorities:** Depending on the gravity of the situation establish direct contact with Civil and Police authorities such as District Collector, District Superintendent of Police, and Superintendent of Police apart from conveying the information to the nearest Police Station.

**The mine owner shall consider the following while performing his responsibility:**

(i) **Preservation of clues:**

All clues shall be preserved with a view to enabling the reconstruction of the scene at a later date. This is essential even though the District Magistrate or the police might have inspected the scene of the accident and ascertains the cause of the accident and even though photographs might have been taken do not interfere with any clue which may be of assistance in arriving at the cause of the accident and any item of debris which may help to trace the cause of the accident unless such interference is emergent and unavoidable and is permitted. If it is considered absolutely necessary to remove any items of debris, which may help to trace the cause of the accident, they shall be carefully preserved. Record being kept of the positions from which they were taken. Video graph and photographs of the wreckage shall be taken, as their value for purposes of evidence is very great. It may happen that parts of the wreckage will afford the only clue to the cause of an accident.

(ii) **Recording of statements of staff concerned:**

Record the statements of the staff concerned and take whatever steps as may be necessary to record or preserve evidence, which subsequently might not be available

(iii) **No tampering of clues and evidence:**

None shall interfere with any clue which may be of assistance in arriving at the cause of the accident and any item of debris which may help to trace the cause of the accident shall not be disturbed or cleared unless such interference is emergent and unavoidable and is permitted by a responsible Officer present at the spot. If it is considered absolutely necessary to remove any items of debris, which may help to trace the cause of the accident, they shall be carefully preserved by the Officer permitting the removal, record being kept of the positions from which they were taken. Photographs and video graph of the wreckage shall be taken, as their value for purposes of evidence is very great. It may happen that parts of the wreckage will afford the only clue to the cause of an accident, the position and the state of the road etc.

(iv) **Arranging videographers and photographers:**

Senior officer shall make the arrangements for photographs and video graphs.

(v) **A short note on crisis management:**

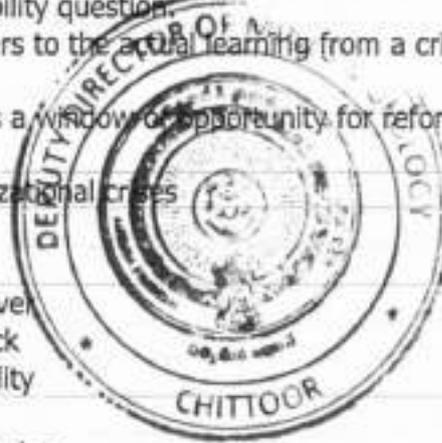
Crisis leadership involves five critical tasks described below:

- A) Sense making, considered as the classical situation assessment step.
- B) Decision making.
- C) Meaning making—refers to crisis management as political communication.

- D) Terminating a crisis is only possible if the public leader correctly handles the accountability question.
- E) Learning, refers to the actual learning from a crisis is limited.
- (vi) A crisis often opens a window of opportunity for reform for better or for worse.
- (vii) Examples of organizational crises
- A) Extortion
  - B) Bribery
  - C) Hostile Takeover
  - D) Terrorist Attack
  - E) Vehicular fatality
  - F) Information
  - G) Product tampering
  - H) Workplace bombing
  - I) Natural disaster that disrupts organizational office
  - J) Computer tampering
  - K) Natural disaster that disrupts product/service
  - L) Confidential data loss
  - M) Kidnapping
  - N) Product/service
  - O) Boycott
  - P) Work-related homicide
  - Q) Malicious rumour
  - R) Hazardous material leak
  - S) Plant explosion
  - T) Personnel assault
  - U) Assault of customers
  - V) Product recall
  - W) Counterfeiting
  - X) Natural disaster that destroys corporate headquarters
  - Y) Natural disaster that eliminates key stakeholder
- (viii) Crisis Management becomes pertinent when the pre-conceived Emergency plan finds a deviation from the expected route.
- (ix) For such eventualities "what if" analysis is to identify and prepare plans for all the other crises that could happen as a result of the first one. Usually, this exercise is best accomplished in a group brainstorming session. It might sound something like this.

"A blast was initiated. Everything went off as planned, except for the exhaust fan was stopped due to power interruption after the blast and reverse ventilation started. Inadvertently the Mate travelling in downcast shaft got affected by the blast fumes and got suffocation. So no one thought there was a cause for alarm."

Work progressed as normal, and the power interruption has caused damage, and possible damage as a result of the power interruption. What if reverse ventilation takes place? What if the Mate collapses? What if the Mate is killed? What if friends and relatives of the affected make statements critical of our company? What if law suits are filed claiming negligence? Similarly in opencast



mines particularly while doing blasting operations.

- (x) All the above are referred to a 'spin-off crises', and have more detrimental effects than the initial crises. One of the many advantages to crises-management planning is to anticipate what could go wrong, so you can break the sequence of events and redirect them. If you try to complete this exercise while the crises is in progress, your thinking may not be clear, your actions too late, and the outcome will be out of your control.
- (xi) Crisis Impact Analysis: the next step is to look at each crisis, and determine which of your audience would be affected. The word audience is defined as anyone who can have an effect on your reputation: the media, political leaders, employees and their families, community leaders, customers, banks, suppliers, shareholders, and investors.

(xii) **Short note fault tree analysis:**

- A) Fault tree analysis is a logical, structured process that can help identify potential causes of system failure before the failures actually occur. Fault trees are powerful design tools that can help ensure that product performance objectives are met.
- B) Fault Tree analysis is one of the most widely-used methods in system reliability analysis. It is a deductive procedure for determining the various combinations of failures, and human errors that could result in the occurrence of specified undesired events.
- C) A fault tree analysis (FTA) is a deductive, top-down method of analysing system design and performance. It involves specifying a top event to analyse (such as a fire), followed by identifying all of the associated elements in the system that could cause that top event to occur.
- D) Fault trees provide a convenient symbolic representation of the combination of events resulting in the occurrence of the top event.
- E) FTA can be used as a valuable design tool, can identify potential accidents, and can eliminate costly design changes. It can also be used as a diagnostic tool, predicting the most likely system failure in a system breakdown.
- F) FTA is a method of analysing the causes of hazards. FTAs use Boolean logic (gates) to describe combinations of individual faults that can create a hazardous event. Each level of the tree lists the lower level events that are necessary to cause the event shown in the level above it.
- G) Often the most difficult part of creating a fault tree is the determination of the top level event. The selection of the top event is crucial since hazards in the system will not be comprehensive unless the fault trees are drawn for all significant top level events.
- H) Once the top event has been defined, the next step is to determine the events related to the top event and the logical relations between them, using logic symbols to define the relations. The most frequently used symbols for fault trees are AND & OR gates.
- I) The output of an 'AND gate' only exists if all the input events exist.
- J) The output of an 'OR gate' exists provided at least one on the input events exist.
- K) The relationships between the events shown in a fault tree are standard.

- L) Logical relations and can therefore, be expressed using any form of Boolean algebra of truth table. The tree format, however, seems to have the advantage in readability.
- M) Fault trees can help identify scenarios leading to hazards and can suggest possibilities for hazard elimination or control.
- N) Fault tree analysis is also the tool for discovering product failure, engineering failure and the common human error causes.

## (xiii) Major elements in fault tree analysis:

- A) Quantification
- B) Risk ranking
- C) Selecting the "Important Few" and ignoring the "Unimportant Many"
- D) Follow the "Path of the Greatest Resistance"
- E) The importance of identifying the common cause events.

## (xiv) Fault Tree Analysis in 7 Steps

- A) Select a top level event for analysis. Try to be specific, for example, "Email server down for more than 4 hours." Sources of top level events include.
- B) Problem/Known Error Records; service outage analysis; potential failures from brainstorming; and "what-if" scenarios based on service level agreements, etc.
- C) Identify faults that could lead to the top level event. Continuing the above example, some possible faults leading to an outage lasting more than four hours might be "loss of power", another might be "hardware failure." List all the faults under the top level event in boxes and connect the fault boxes to the top level event box by drawing lines.
- D) For each fault, list as many causes as possible in boxes below the related fault. Continuing the example above, in the case of "loss of power," some causes might be "electrical outage," "power supply failure," and so on. Connect the boxes to the appropriate fault box.
- E) Draw a diagram of the "fault tree." Two logic operators - 'and' and 'or', also known as logic gates - are used to represent the sequencing of faults and causes.

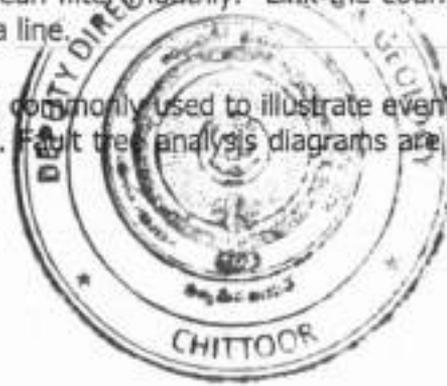
For example, "Email server down for more than 4 hours" could be caused by "loss of power" or "hardware fault." Another might be "loss of building power" and "battery backup exhausted."

Update faults and causes by grouping logically related items using 'AND' or 'OR' between faults and events; and faults and causes. Re-draw the lines from top level event to logic gates to faults to logic gates to causes.

- F) Continue identifying causes for each fault until you reach a root cause (reactive FTA), or one that you can do something about (proactive FTA). For example, the root cause of "power supply failure" might be "filter clogged;" the root cause of "battery backup exhausted" might be "battery backup too small"
- G) Consider countermeasures. A root cause is one you can do something about; so now you need to think of the countermeasures you might apply

to each root cause. List counter measures for each root cause in a box under the root cause. For example, for "filter clogged" a countermeasure might be "clean filter monthly." Link the countermeasure to the root cause by drawing a line.

Fault tree analysis diagrams are commonly used to illustrate events that might lead to a failure so the failure can be prevented. Fault tree analysis diagrams are commonly used in Six Sigma process.



**8.0 CARE AND MAINTENANCE DURING TEMPORARY DISCONTINUANCE:**

(An emergency plan for the situation of temporary discontinuance due to court order or due to statutory requirements or any other unforeseen circumstances may indicate measures of care, maintenance and monitoring of status of discontinued mining operations expected to re-open in near future.

During temporary discontinuation proper security personnel will be provided. Some labour will also be engaged to maintain the check dams and other risk zones.

**Afforestation:**

The applicant proposed to take up plantation in the safety zone or will deposit the required amount in the CAMPA account so as to carry out plantation in the safety zone area by the Forest Dept. as the case may be.

In afforestation program its around 1000 samplings for 5 years will be planted, grown and Jatropa, Pongamia, Neem and local plants type of plants will be plant **along the 7.5 mts buffer zone.**

Year	Name of the samplings	No. of the samplings
1 <sup>st</sup> year	Neem	1000
2 <sup>nd</sup> year	Pengamia	
3 <sup>rd</sup> year	Neem	
4 <sup>th</sup> year	Subabul	
5 <sup>th</sup> year	Local plants	

**Budget estimation of plantation for the next five years:**

Item	Details	Year	Area proposed in Ha	Quantity proposed (no. of Samplings)	Total expenditure in Rupees	Remarks
Rehabilitation of 7.5Mts buffer area in the lease boundary	(i) Afforestation (Green belt building)	1 <sup>st</sup> Year	0.920	1000 plants totally will be planted in the first year and further four years will be taken for regular watering and care.	56000	Average Cost of Sampling:Rs.50 50x1000 = 50000 first year Maintenance for first 6 months 6x1000 = 6,000.00
		2 <sup>nd</sup> Year				
		3 <sup>rd</sup> Year				
		4 <sup>th</sup> Year				
		5 <sup>th</sup> Year				
			0.920	1000	56000	

In case of temporary discontinuance, the mining pit shall be secured with a fence. Watch and ward staff shall be arranged to see that no untoward accidents occur due to straying of cattle or persons.

**9.0 FINANCIAL ASSURANCE:**

Financial assurance will be submitted in any encashable from preferable a bank guarantee from a scheduled bank at the rates equalent to rates prescribed in Rule 7 and Rule 12(5) (C) of Mineral Concession Rules, 1966, G.O. Ms. No.53 Dated: 27.02.2019 for Five years period expiring at the end of validity of the document.

**10. INFORMATION INDICATING BREAKUP OF AREAS IN THE MINING LEASE FOR CALCULATION OF FINANCIAL ASSURANCE:**

No.	Head	Forest area required for the entire lease period (in Ha.)	Forest area required for 1st five year plan period (in Ha.)	Total area remains unutilized after 1st five years (in Ha.)	
(1)	(2)	(3)	(4)	(5= (3-4))	
1	Area under Mining (which includes small portion of area i.e. for site services like first aid etc and internal roads which will be in temporary in nature and shifted / made as per the convenient)	2.730 ha	1 <sup>st</sup> Year	0.437 ha	1.446 ha
			2 <sup>nd</sup> Year	0.274 ha	
			3 <sup>rd</sup> Year	0.481 ha	
			4 <sup>th</sup> Year	0.072 ha	
			5 <sup>th</sup> Year	0 ha	
			<b>Sub - Total</b>	<b>1.264 ha</b>	
			Infrastructure	0.020 ha	
			<b>Total</b>	<b>1.284 ha</b>	
2	Waste Dumping (which includes mineral storage)	1.000 ha	1 <sup>st</sup> Year	0.220 ha	0.320 ha
			2 <sup>nd</sup> Year	0.220 ha	
			3 <sup>rd</sup> Year	0 ha	
			4 <sup>th</sup> Year	0 ha	
			5 <sup>th</sup> Year	0 ha	
			<b>Sub - Total</b>	<b>0.440 ha</b>	
			Mineral storage	0.240 ha	
			<b>Sub - Total</b>	<b>0.680 ha</b>	
3	Approach Road	0.330 ha	0.330 ha	0 ha	
4	Railways	0 ha	0 ha	0 ha	
5	Tailing Pond	0 ha	0 ha	0 ha	
6	7.5 mtr safety zone along Mining area (Green belt)	0.920 ha	0.920 ha	0 ha	
		<b>4.980 ha</b>	<b>3.214 ha</b>	<b>1.766 ha</b>	

**Area considered for calculation of Financial Assurance : 3.214 Ha.**

The proposed mining operations for the cost of reclamation and rehabilitation is calculated as per the provisions as per the amended Rule 7 and Rule 12(5)(C) of Mineral Concession Rules, 1966, G.O.Ms. No.53 Dated: 27.02.2019 minimum @ INR 50,000/- for 5.00 Ha and additional INR 10,000.00 per Hectare or part thereof.

This amount works out to be INR 50,000/- for **3.214 hectare** of area. Hence the financial assurance in the form of Bank Guarantee for the amount INR 50,000/- for the above extent will be submitted to the Assistant Director, Department of Mines and Geology, Chittoor.

  
**Signature of the applicant**

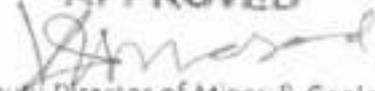
The Mining Plan / Schemes is Approved subject to the conditions & stipulations indicated in the Mining Plan / Scheme Approved letter

No: 3096/MDM3/BG/CTR/2022

Date: 12/10/2022

  
**P. Viswam,**  
**(RQP/BNG/346/2015/A)**

**APPROVED**

  
Deputy Director of Mines & Geology  
Chittoor



③

# ANNEXURES



खनन योजना तैयार करने के लिए अहर्ता प्राप्त व्यक्ति के रूप में मान्यता प्रमाण पत्र

CERTIFICATE OF RECOGNITION AS QUALIFIED PERSON TO PREPARE MINING PLAN

(अनिज रियायत नियमावली 1960 के नियम 22सी के अंतर्गत)

(Under Rule 22C of Mineral Concession Rules, 1960)

श्री पूनामल्लि विश्वम पुत्र श्री पी. सुब्बा जेट्टी, निवासी - 13/2, 2<sup>nd</sup> मैन रोड, नांजामाबागारहारा, चामराजपेट, जिला- बेंगलूर, बेंगलूर-560018, राज्य- कर्नाटका, जिनका फोटो एवं हस्ताक्षर दिया गया है उनकी योग्यता तथा अनुभवों के संतोषजनक प्रमाण पत्र देने के एवज में एतद द्वारा अनिज रियायत नियमावली 1960 के नियम 22 सी के अंतर्गत खनन योजना/ खनन अभियोजना/उत्तरोत्तर खान बंद/ अंतिम खान बंद करने की योजना तैयार करने के लिये अहर्ता प्राप्त व्यक्ति के रूप में मान्यता दी जाती है।

Shri Poonamalli Viswam son of P.Subba Jhetty resident of :-13/2, 2<sup>nd</sup> Main road, Nanjamabaagarhara, Chamrajpet, District- Bangalore, Bangalore- 560018, State- Karnataka whose Photograph and Signature is appended herewith having given satisfactory evidence of his qualifications & experience is hereby granted RECOGNITION under Rule 22C of the Mineral Concession Rules, 1960 as a Qualified Person to prepare Mining Plan / Scheme of Mining / Progressive Mine Closure Plan / Final Mine closure plan.

उनका पंजीकरण क्रमांक/ His Registration Number is

आर.न्यू.पी./बेंग/346/2015/ए / RQP/BNG/346/2015/A

यह मान्यता दस वर्ष की अवधि के लिए वैध है जो दिनांक 29.03.2025 को समाप्त होगी।

The recognition is valid for a period of Ten Years ending on 29.03.2025. *Pro*

खनन योजना / खनन अभियोजना / उत्तरोत्तर खान बंद/ अंतिम खान बंद करने की योजना में यदि कोई गलत/झूठ सूचनाएँ दी गईं हो तो उनका यह प्रमाण पत्र वापस ले लिया जाएगा।

Furnishing any wrong/false information in the Mining Plan/Scheme of Mining / PMCP / FMCP may lead to withdrawal of this certificate.

आर.न्यू. पी. के हस्ताक्षर / Signature of RQP

*[Signature]*

स्थान/Place: बेंगलूर/Bangalore

दिनांक/Date: 30.03.2015



*[Signature]*  
क्षेत्रीय खान नियंत्रक

Regional Controller of Mines

Regional Controller of Mines

बंगलूर, कर्नाटक

Indian Bureau of Mines

Bangalore-560022

GOVERNMENT OF ANDHRA PRADESH  
DEPARTMENT OF MINES AND GEOLOGY : IBRAHIMPATNAM

Circular Memo No.388/32/P/2020

Dated:16.07.2021.

Sub: Mines & Minerals - Granting of Mining Leases/Prospecting Licence/Quarry Lease in Forest Lands - Instructions issued - Regarding.

- Ref: 1. Memo. No. 3778/For(1)/2001-1, Dt. 20.04.2001 from Environment, Forest, Science & Technology (For.1) Department.  
2. Memo. No. 5624/For.(1)/2005-2, Dt. 1.09.2005 from Environment, Forest, Science & Technology Department.  
3. Circular Memo.No.10205/P1/2001, Dt. 29.05.2009. from Director of Mines & Geology, Hyderabad.  
4. Circular Memo.No.10205/P1/01, Dt. 16.09.2009. from Director of Mines & Geology, Hyderabad.  
5. Ref.No.EFS02-15029/94/2018-FCA-SEC-PCCF/FCA-,Dt.13.07.2021. from Principal Chief Conservator of Forest & Head of Forest Force, Guntur.

\*\*\*\*\*

The attention of the all Assistant Directors and Deputy Directors of Mines & Geology in the state are drawn to the subject and references cited. Through the reference 4<sup>th</sup> cited Director of Mines & Geology issued Guidelines for processing of ML/QL applications for clearances under forest Conservation Act 1980, to avoid legal complications in future.

In the reference 5<sup>th</sup> cited, the Principal Chief Conservator of Forest & Head of Forests, Andhra Pradesh stated that during the virtual meeting held with GoI, MoEF & CC, New Delhi on 08.07.2021 while receiving the proposals of the some of applications for which this office forwarded to PCCF for grant of Quarry lease in forest areas, they suggested the authenticated DGPS surveyed sketch of proposed forest area with Geo-coordinates duly indicating land use plan for mining, safety zone, approach road in respect of the four mining proposals, and necessary instruction are being issued to the above user Agencies to furnish the Draft Mining plan based on the above precise area arrived after conducting DGPS survey, to the Director of Mines & Geology, Andhra Pradesh, Ibrahimpatnam for necessary action. Further also informed that the DM&G, AP/the representative authorized by him, may approach the concerned Divisional Forest Officers for entry into Forests to inspect the precise forest area proposed for mining purpose, and finally requested to submit AMP of the said mining proposals as stated below:

1. Grant of quarry lease over an extent of 4.78 ha. Of forest land in compartment no.127, Kondaveedu RF, Ameenabad beat, Perecherla (V), Medikondur Mandal, Guntur for Road Metal & Building Stone in favour of Kunambrahmananda Redd, Ongole, Prakasam District.
2. Grant of quarry lease over an extent of 4.49 ha. Of forest land in compartment no.127, Kondaveedu RF, Ameenabad beat, Perecherla(V), Medikondur Mandal, Guntur for Road Metal & Building Stone in favour of Sri Dar Appa Rao, West Godavari District.
3. Diversion of forest land over an extent of 4.72 ha. In compartment no.450 of Yerrakonda R, Tummagunta Village, Kanigiri Mandal, Prakasam District for excavation of Quartz in favour of M/s AhobilaNarasimha Minerals.

4. Diversion of 4,90 ha. Of forest land falling in compartment no.205 of Ragimanupenta RF, Banagarupalyam (M), Chittoor (West) Division in f/o M/s Prathima Granites for grant of quarry lease for Black Granite.

In this connection it is to inform that, as per the existing provisions laid down under APMC Rules 1966 the AMP shall allowed only after issue of Notice (LOI) to the applicant. But as per the present instructions received from the PCCF vide reference 5<sup>th</sup> cited, in the cases, where the M.C. Applications falls in forest area, the proposal shall submit along with AMP duly following the instructions issued in the references 3<sup>rd</sup> & 4<sup>th</sup> cited.

Therefore the ADM&G's and DDM&G's in the state are directed while processing mineral concession applications falling in the forest area, proposals shall submit to the DM&G along with the AMP and strictly adhering the instructions issued earlier and approach with the concerned DFO to process the mineral concession applications as the procedure intimated by the PCCF if necessary.

Further the DDM&G's in the state are directed to consider the AMP for approval of the forest area applications in advance without issuing of Notice to the applicants requesting to submit AMP, EC & CFE.

Encl: References as stated above

Sd/- V.G.Venkata Reddy  
Director of Mines &Geology

To

The all ADM&G's (Regular) in the State.

The all DDM&G's in the State.

Copy to the Section Superintendents from D1 to D13 / In- charge officers of sections Sand, Vigilence, IT, MR, MERIT,

Copy to DM&G pashi.

Copy submitted to the Principal Chief Conservator of Forest & Head of Forest Force, AranyaBhavan, Andhra Pradesh, K.M. Munshi Road, Guntur-522004, with a request to issue suitable instructions to DFO's in the State for allow if the Mines &Geology Officials and user Agencies to inspect and preparing of AMP in the forest areas.

//Attested//

G. Sanku Babu.  
Assistant Director of Mines &Geology

GOVERNMENT OF ANDHRA PRADESH  
DEPARTMENT OF MINES AND GEOLOGY

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

To  
M/s.Sweety Granites,  
Prop:Sri D.James,  
D.No.28/1195,  
Balaji Colony, Chittoor.

LT. No. 2456/MP/BG/CTR/2021 dt: 29-09-2021

Sir,

Sub: Mines & Minerals - Application of Mining Plan filed by M/s.Sweety Granites, Prop:Sri D.James for black Granite over an extent of 5,000 Hectares in Compartment No.460 of Pachigunta RF, G.D.Nellore Mandal, Chittoor East Division in Chittoor District - Approved - Regarding.

- Ref: 1. Memo No.3855/D13-1/2019, dated:09.08.2021 of the Director of Mines and Geology, Ibrahimpattanam.  
2. Draft Mining Plan submitted on 24.08.2021 filed by M/s.Sweety Granites, Prop:Sri D.James.  
3. Inspection report submitted by this office Technical Staff.  
4. This Office Letter No.2456/MP/BG/CTR/2021, dt:23.09.2021.  
5. Letter dated:28.09.2021 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 1<sup>st</sup> 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 5,000 Hectares in Compartment No.460 of Pachigunta RF, G.D.Nellore Mandal, Chittoor East Division in Chittoor District filed by M/s.Sweety Granites, Prop:Sri D.James 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.*

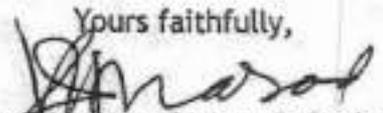
5. The Q.L. area is as shown on the statutory plans by the applicant is certified by the competent authority with GPS readings of the boundary points of the lease and this office has not undertaken the ground truth verification of the quarry lease boundary and pillars on the ground.
6. The approval authority 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 in force, 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.

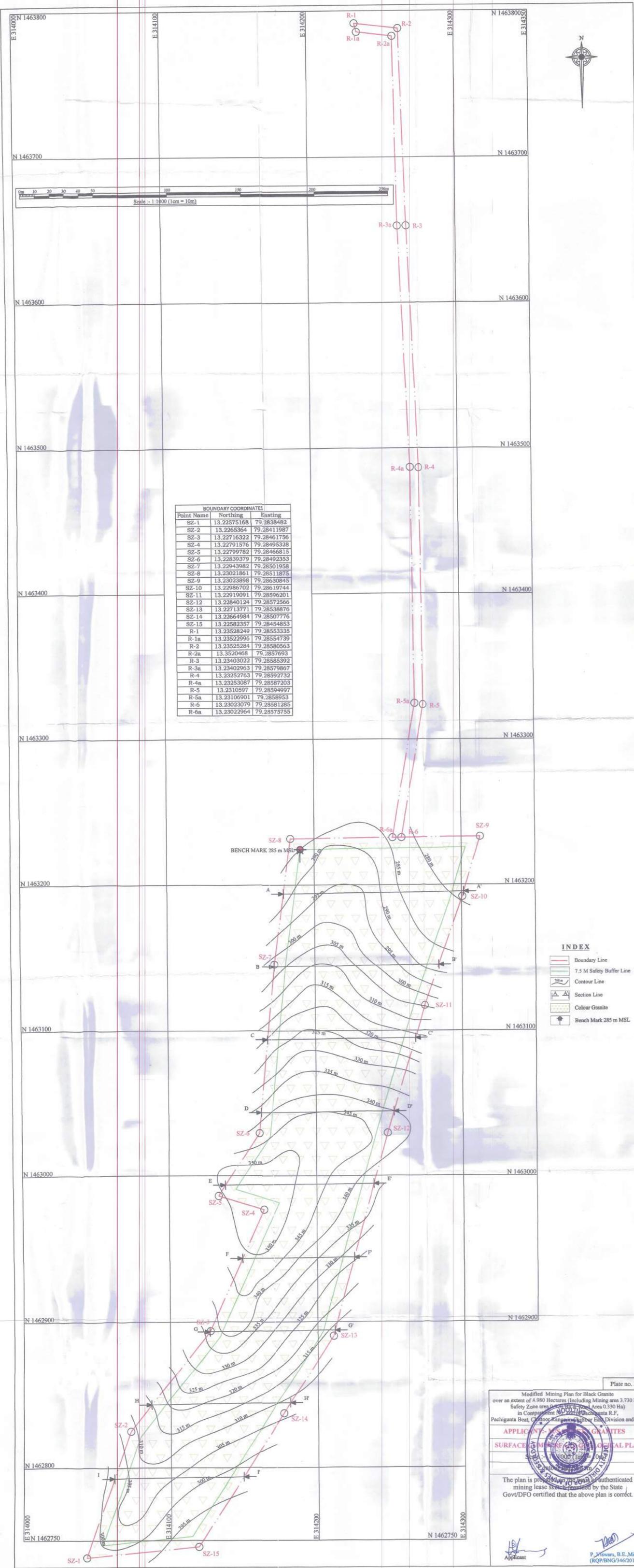
Copy submitted to :

- 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.



# PLATES



BOUNDARY COORDINATES		
Point Name	Northing	Easting
SZ-1	13.22575168	79.2838482
SZ-2	13.2265364	79.28411987
SZ-3	13.22716322	79.28461756
SZ-4	13.22791576	79.28495328
SZ-5	13.22799782	79.28466815
SZ-6	13.22839379	79.28492353
SZ-7	13.22943982	79.28501958
SZ-8	13.23021861	79.28511875
SZ-9	13.23023898	79.28630845
SZ-10	13.22986702	79.28619744
SZ-11	13.22919091	79.28596201
SZ-12	13.22840124	79.28572566
SZ-13	13.22713771	79.28538876
SZ-14	13.22664984	79.28507776
SZ-15	13.22582357	79.28454853
R-1	13.23528249	79.28553335
R-1a	13.23522996	79.28554739
R-2	13.23525284	79.28580563
R-2a	13.3520468	79.2857693
R-3	13.23403022	79.28585392
R-3a	13.23402963	79.28579867
R-4	13.23252763	79.28592732
R-4a	13.23253087	79.28587203
R-5	13.2310597	79.28594997
R-5a	13.23106901	79.2858953
R-6	13.23023079	79.28581285
R-6a	13.23022964	79.28575755

INDEX	
	Boundary Line
	7.5 M Safety Buffer Line
	Contour Line
	Section Line
	Colour Granite
	Bench Mark 285 m MSL

Plate no. 3

Modified Mining Plan for Black Granite  
 over an extent of 4.980 Hectares (Including Mining area 3.730 Ha,  
 Safety Zone area 1.250 Ha and Buffer Area 0.330 Ha)  
 in Contiguous No. 100/11/1 Pachigunta R.F.,  
 Pachigunta Beat, Chittoor-Kangasli-Chittoor East Division and A.P.

**APPLICANT: M. SIVARAM**      **GRANTIES**

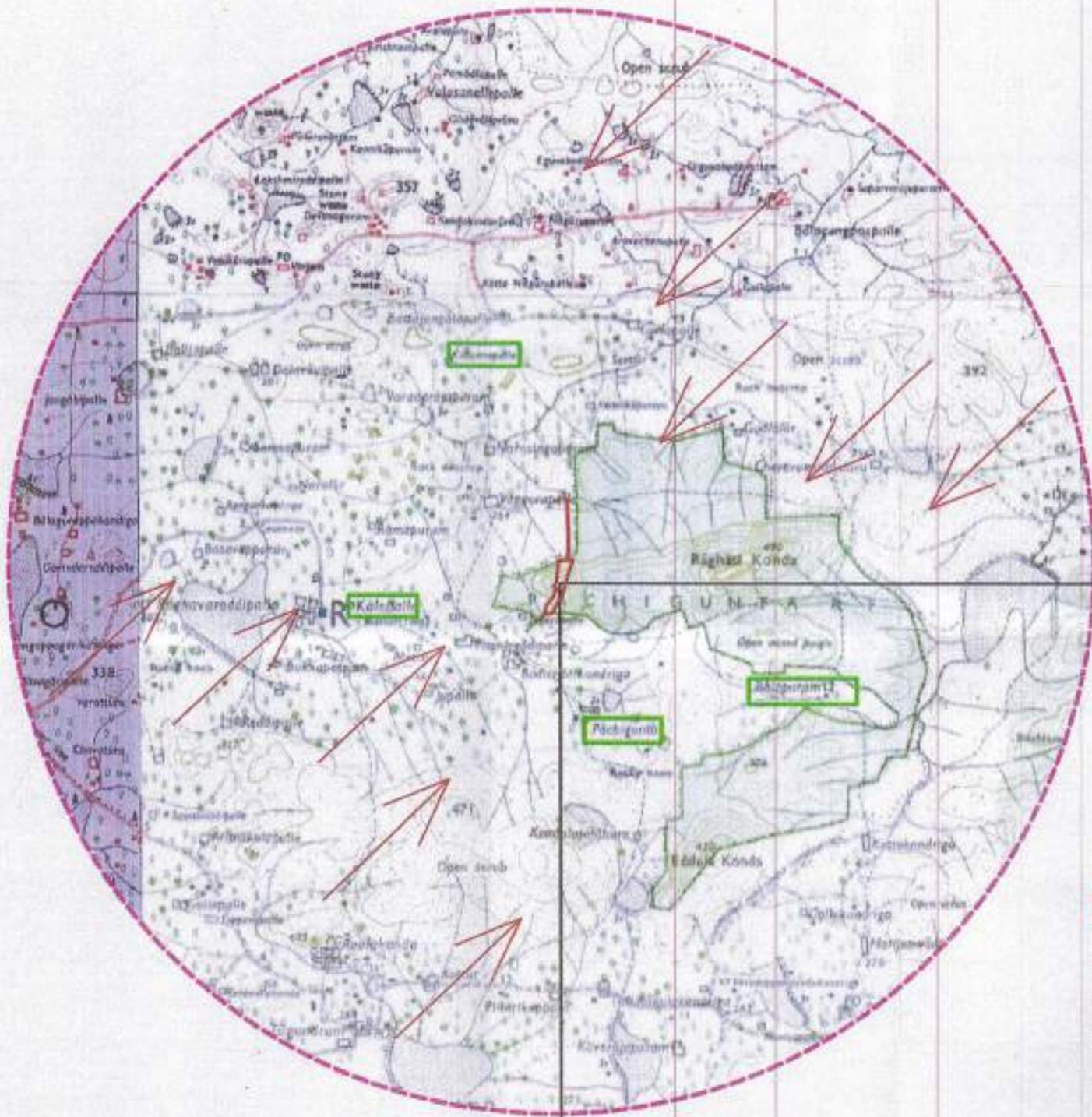
**SURFACE WORKS: M. SIVARAM**      **ORIGINAL PLAN**

**SIGNATURE: M. SIVARAM**      **DATE: 10/01/2015**

The plan is presented and is an authenticated mining lease shown as provided by the State Govt/DFO certified that the above plan is correct.

*M. Sivaram*  
Applicant

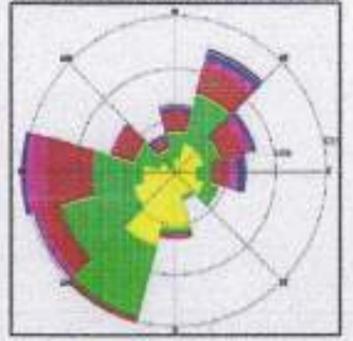
*M. Sivaram, B.E., Mining*  
(RQP/BNG/246/2015/A)



E 314189.4108

N 1462980.5583

WIND ROSE DIAGRAM



Datum Based on WGS - 84

Geo Co-ordinates Latitude : 13.22986702  
Longitude : 79.28619744

Toposheet No: 57 O/8

SL no	Village	Direction	Distance in Km	Population
1	Pachigunta	NW	1.3	700
2	Kalepalli	West	2.0	1000
3	Vinjem	NW	3.6	800
4	Pulluru	East	4.7	300

**Index**

- Applied Area
- 5 Km Buffer Line
- Villages
- Water Source
- B.T Road
- Wind Direction

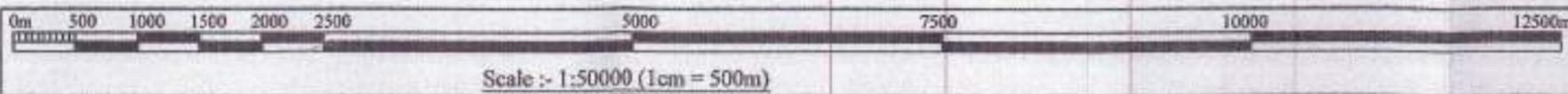


Plate no. 1  
 Modified Mining Plan for Black Granite  
 over an extent of 4,300 Hectares (including Mining Area 3,730 Ha,  
 Safety Zone Area 340 Ha & Road Area 230 Ha )  
 in Compartment No. 461, Pachigunta S.F.,  
 Pachigunta West, Chittoor Range, Chittoor East Division and A.P.  
**APPLICANT: M. SWEETY GRANITES**  
 Key plan & location plan  
 Toposheet No: 57 O/8  
 Scale :- 1:50,000 (1cm = 500m)  
 The plan is prepared on the basis of authenticated  
 mining lease sketch provided by the State  
 Govt/DFO certified that the above plan is correct.

Applicant

P. Viswam, B.E., Mining  
 (RQP/BNG/346/2015/A)

**Map Showing the Diversion of Forest Land in Comp.No-460 of Pachigunta RF,Pachigunta Beat,  
Chittoor Range,Chittoor East Division.In favour of M/s.Sweet Granites.**



S no	Name	Easting	Northing	Elevation	Latitude	Longitude
1	M-1	314053.399	1462746.808	299.725	13.22582950	79.28394596
2	SZ-1	314042.744	1462738.270	295.286	13.22575168	79.28384820
3	M-2	314079.234	1462821.152	308.385	13.22650306	79.28417961
4	SZ-2	314072.784	1462824.884	306.034	13.22653640	79.28411987
5	SZ-3	314127.203	1462893.862	335.111	13.22716322	79.28461756
6	M-3	314132.889	1462889.205	336.818	13.22712148	79.28467032
7	M-4	314174.856	1462981.913	353.486	13.22796202	79.28505164
8	SZ-4	314164.160	1462976.868	352.443	13.22791576	79.28495328
9	SZ-5	314135.322	1462986.156	348.812	13.22799782	79.28466818
10	M-5	314144.814	1462990.478	351.472	13.22803757	79.28477394
11	SZ-6	314161.298	1463029.776	337.518	13.22839379	79.28492353
12	M-6	314167.372	1463023.667	340.522	13.22835703	79.28497983
13	M-7	314179.725	1463144.579	298.929	13.22943258	79.28508631
14	SZ-7	314172.501	1463145.430	295.952	13.22943982	79.28501958
15	M-8	314190.193	1463224.156	284.653	13.23015248	79.28517782
16	SZ-8	314183.840	1463231.516	280.639	13.23021861	79.28511875
17	SZ-RE	314256.099	1463224.910	282.658	13.23016350	79.28580428
18	M-9	314302.862	1463225.297	276.279	13.23016977	79.28621724
19	SZ-9	314312.801	1463232.887	275.604	13.23023898	79.28630845
20	M-10	314293.511	1463194.172	278.315	13.22988787	79.28613294
21	SZ-10	314300.487	1463191.818	278.716	13.22986702	79.28619744
22	M-11	314267.583	1463119.661	297.545	13.22921279	79.28589843
23	SZ-11	314274.457	1463117.192	296.808	13.22919091	79.28596201
24	SZ-12	314248.243	1463030.005	342.122	13.22840124	79.28572566
25	M-12	314241.223	1463031.509	342.026	13.22841802	79.28566078
26	M-13	314204.023	1462893.558	316.846	13.22716523	79.28532632
27	SZ-13	314210.771	1462890.467	313.023	13.22713771	79.28538876
28	SZ-14	314176.693	1462836.724	306.201	13.22664984	79.28507776
29	M-14	314170.543	1462840.783	307.935	13.22668615	79.28502077
30	M-15	314114.460	1462752.784	291.143	13.22588730	79.28450892
31	SZ-15	314118.705	1462745.704	290.643	13.22582357	79.28454853
32	R-1	314232.615	1463791.440	262.610	13.23528249	79.28553335
33	R-1a	314234.097	1463785.618	261.122	13.23522996	79.28554739
34	R-2	314262.102	1463787.957	263.290	13.23525284	79.28580563
35	R-2a	314258.128	1463782.656	263.593	13.23520468	79.28576930
36	R-3	314266.410	1463652.660	266.956	13.23403022	79.28585392
37	R-3a	314260.422	1463652.635	266.888	13.23402963	79.28579867
38	R-4	314273.227	1463486.369	269.814	13.23252763	79.28592732
39	R-4a	314267.237	1463486.769	269.439	13.23253087	79.28587203
40	R-5	314274.568	1463323.952	273.436	13.23105970	79.28594997
41	R-5a	314268.651	1463325.021	273.185	13.23106901	79.28589530
42	R-6	314259.079	1463232.348	281.140	13.23023079	79.28581285
43	R-6a	314253.084	1463232.262	282.339	13.23022964	79.28575755



**PLATE No. 2**

*Viswam*  
**P. VISWAM, B.E. MINING**  
**RQP/BNG/346/2015/A**

S no	Name of Area	Area (Ha)
1	Mining Area	3.73
2	Safety Zone Area	0.92
3	Road Area	0.33
<b>Total Area</b>		<b>4.98</b>

**CHITTOOR**

**Legend**

- DGPS Points
- Mining Area
- ▨ Safety Zone Area
- Road Area

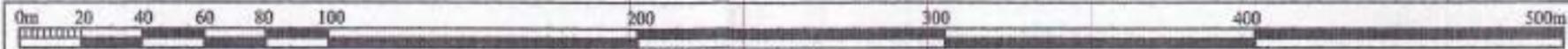
*Patthana*  
**Divisional Forest Officer,**  
**Chittoor East (WL) Division**  
**Chittoor**

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

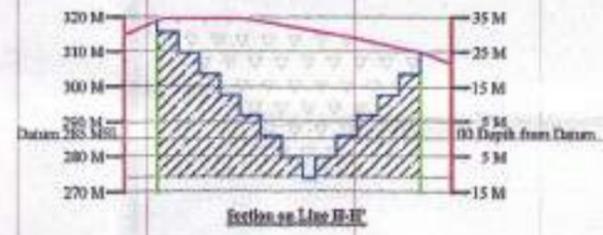
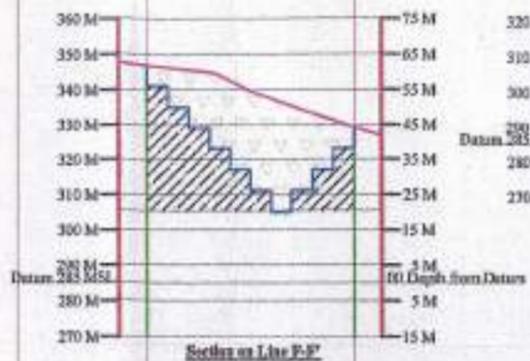
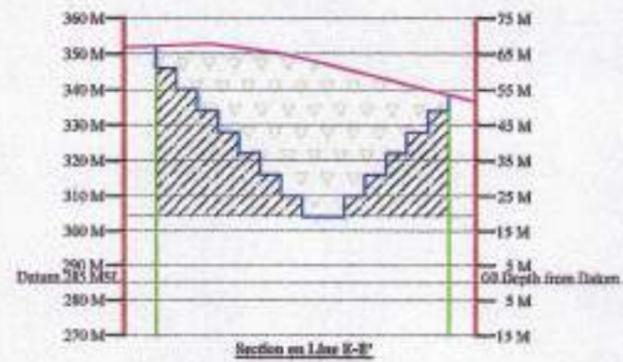
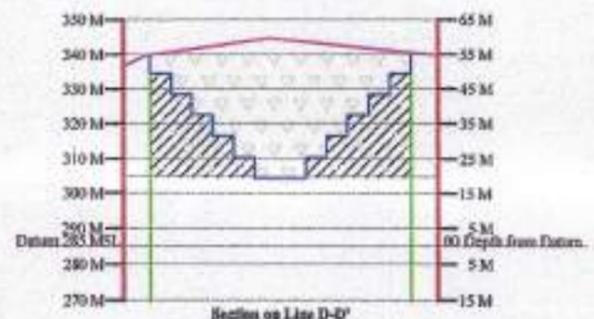
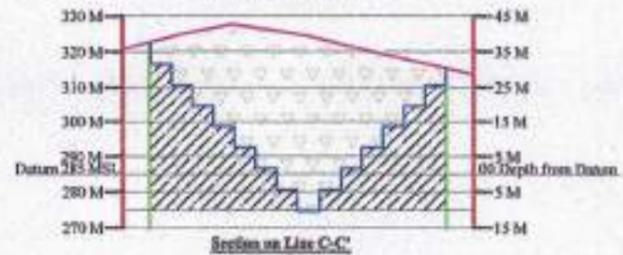
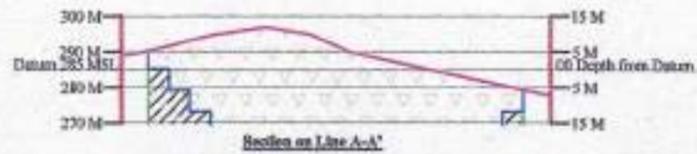


The DGPS/GNSS/ETS data is only verified, the absolute locations of Points shall be verified by the concerned field officers.

*Aranya Bhavan*  
**FOREST RANGE OFFICER**  
**(GIS), O/o. Prt.CCF (HoFF),**  
**Aranya Bhavan, Guntur.**



Scale :- 1:2000 (1cm = 20m)



- INDEX**
- Boundary Line
  - 7.5 M Buffer Line
  - Profile Line
  - Black Granite
  - Ultimate Pit Limit
  - Blocked Reserves Under UPL

Plate no. 3A

Modified Mining Plan for Black Granite over an extent of 4.980 Hectares (including Mining area 3.730 Ha , Safety Zone area 0.920 Ha & Road Area 0.330 Ha ) in Compartment No. 460 of Pachigunta R.F, Pachigunta Beat Chittoor Range, Chittoor East Division and A.P.

**APPLICANT: SWEETY GRANITES**

**DEPT. OF MINES & GEOLOGICAL CROSS SECTIONS**

Scale :- 1:2000 (1cm = 20m)

The plan is prepared on the basis of authenticated mining lease which provided by the State Govt/DFO certified that the above plan is correct.



Applicant

P. Viswan, B.E., Mining  
(RQP/BNG/346/2015/A)

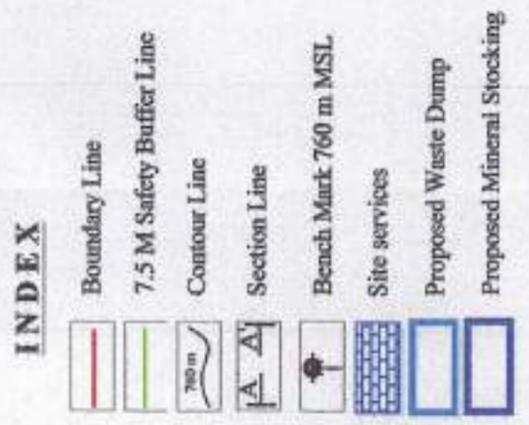
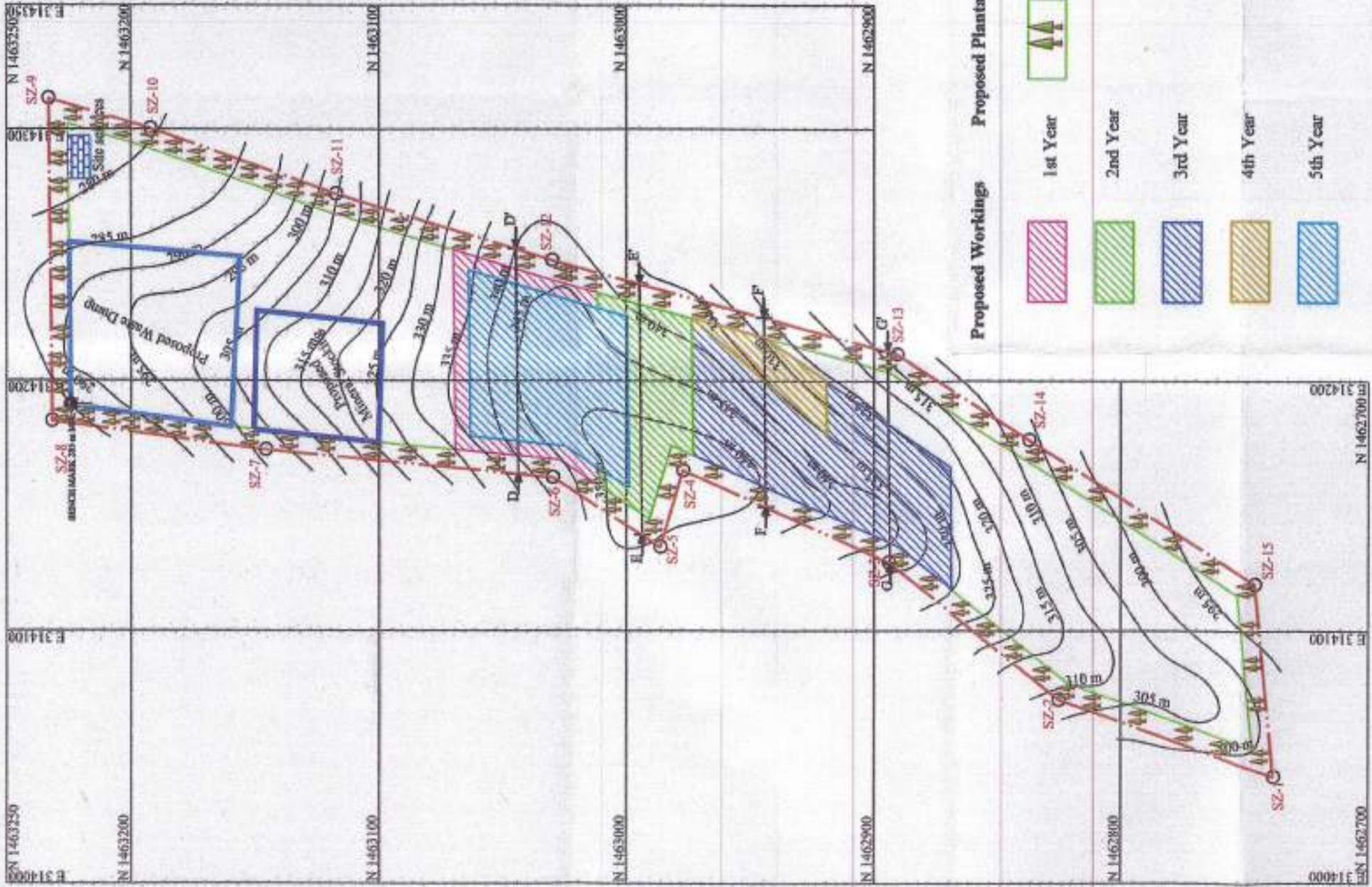
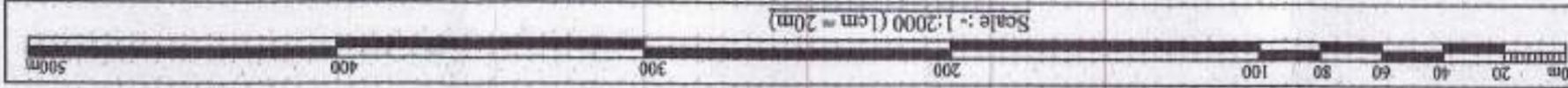


Plate no. 4

Modified Mining Plan for Black Granite over an extent of 4.980 Hectares (including Mining area 3.730 Ha , Safety Zone area 0.920 Ha & Road Area 0.330 Ha ) in Compartment No. 460 of Pachigunta R.F, Pachigunta Beat, Chittoor Range, in Chittoor East Division and A.P.

**APPLICANT:- M/S SWEETY GRANITES**

**MINE LAYOUT PLAN**

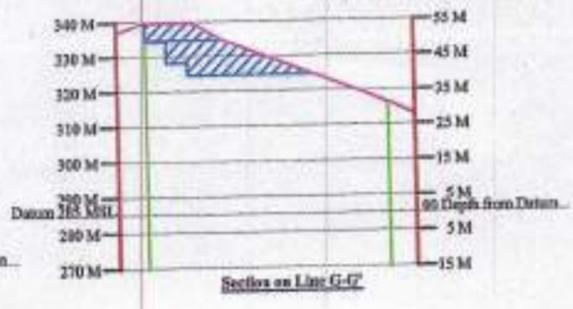
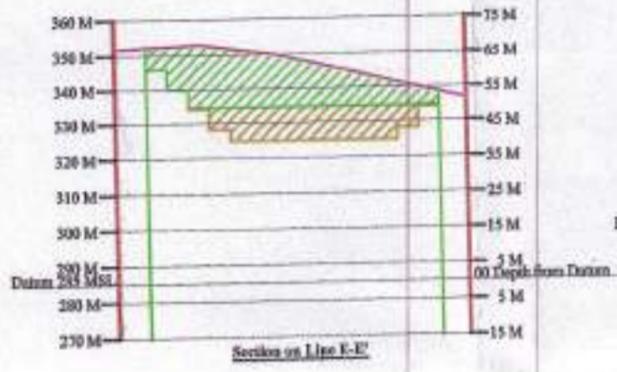
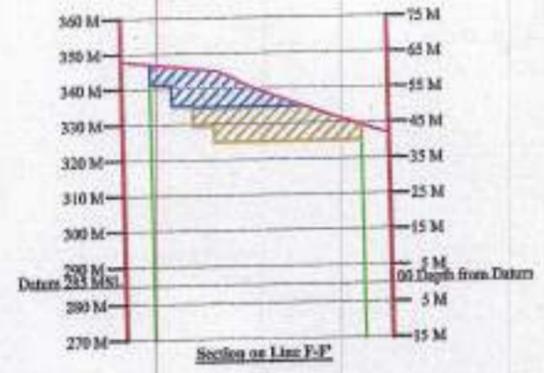
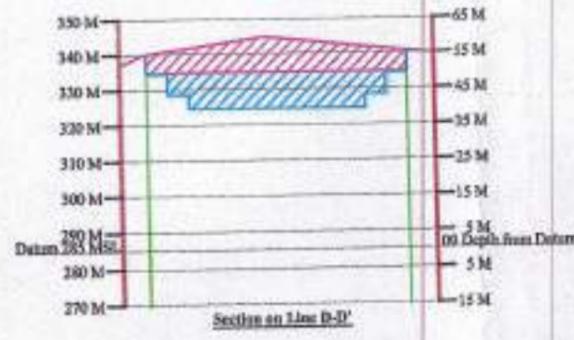
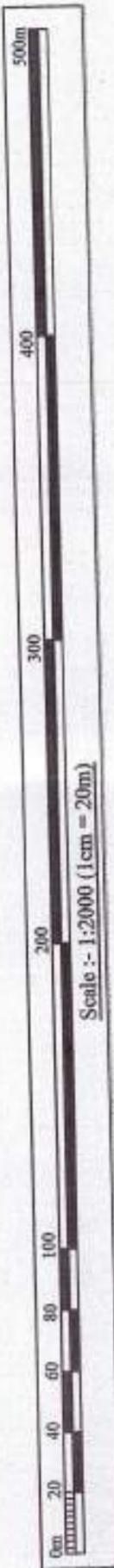


Scale :- 1:2000 (1cm = 20m)  
Contour Interval-5m

The plan is prepared on the basis of authenticated mining lease sketch provided by the State Govt/D.G. certified that the above plan is correct.

Applicant

P. Viswan, B.E. Mining  
(RQP/BNG/346/2015/A)



**INDEX**

- Boundary Line
- 7.5 M Buffer Line
- Profile Line

**Proposed Workings**

- 1st Year
- 2nd Year
- 3rd Year
- 4th Year
- 5th Year



Plate no. 4A

Proposed Mining Plan for Black Granite  
 over an extent of 4.980 Hectares (including Mining area 3.730 Ha,  
 Safety Zone area 0.920 Ha & Road Area 0.330 Ha)  
 in Compartment No. 468 of Pachigunta R.F.,  
 Pachigunta Beat, Chikola Taluqa, Raipur East Division and A.P.

**APPLICANT:- M/S. SHEETY GRANITES**

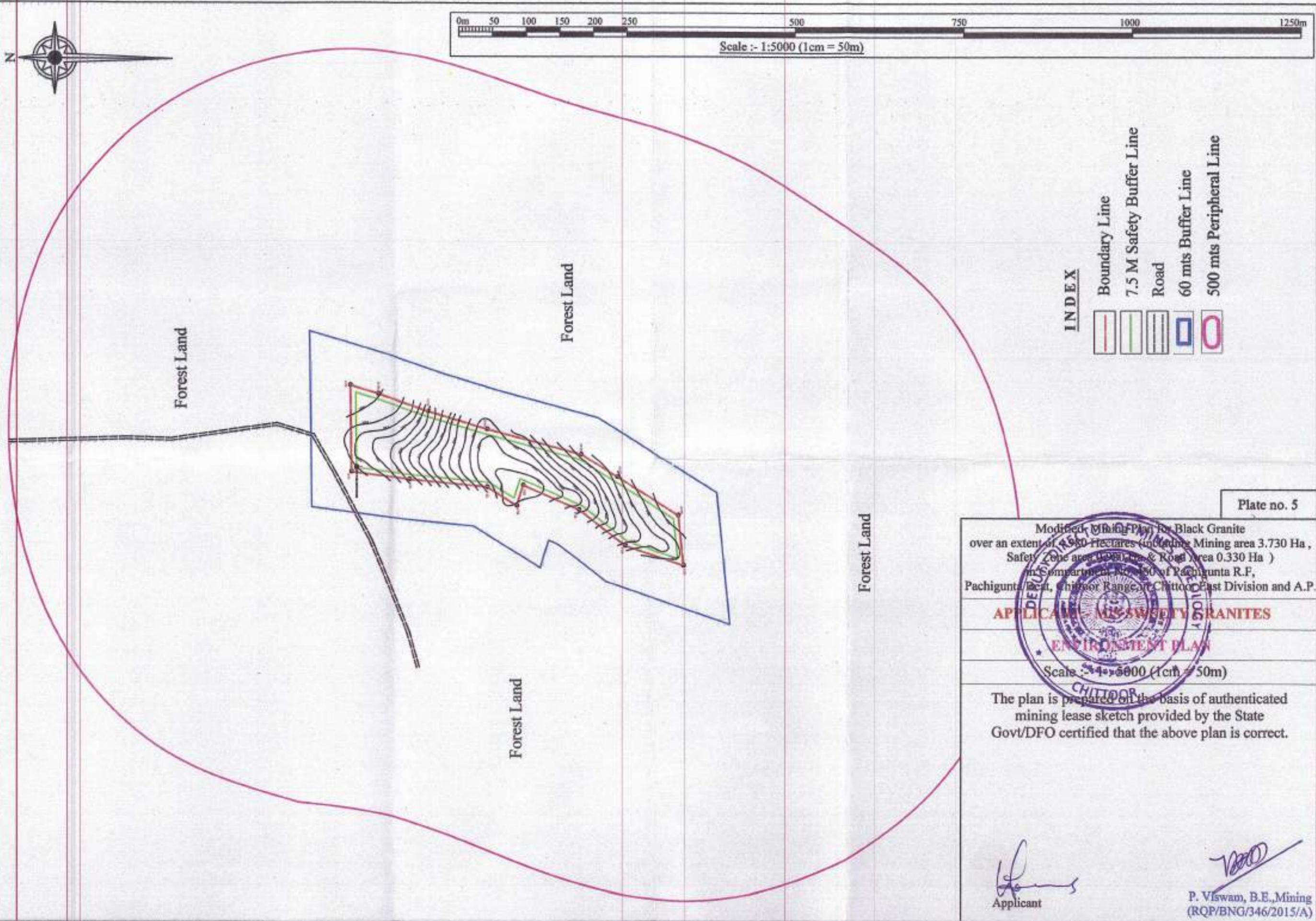
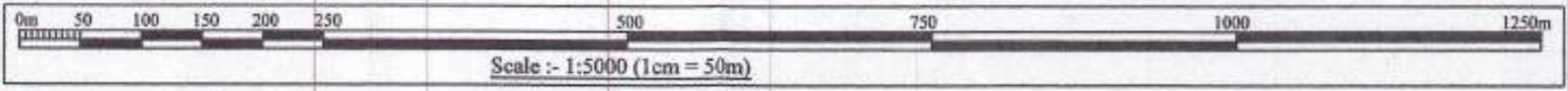
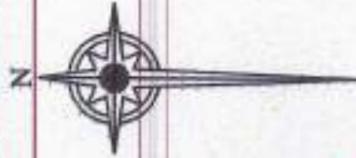
**MINE EXPLOITATION SECTIONS**

Scale :- 1 : 2000 (1cm = 20m)

The plan is prepared on the basis of authenticated  
 mining lease sketch provided by the State  
 Govt/DFO certified that the above plan is correct.

Applicant

P. Viswam, B.E., Mining  
 (RQP/BNG/346/2015/A)



**INDEX**

	Boundary Line
	7.5 M Safety Buffer Line
	Road
	60 mts Buffer Line
	500 mts Peripheral Line

Plate no. 5

Modified Mining Plan for Black Granite  
 over an extent of 4.940 Hectares (including Mining area 3.730 Ha,  
 Safety Zone area 0.950 Ha & Road area 0.330 Ha )  
 in compartment No. 50 of Pachigunta R.F,  
 Pachigunta West, Chittoor Range, Chittoor East Division and A.P.

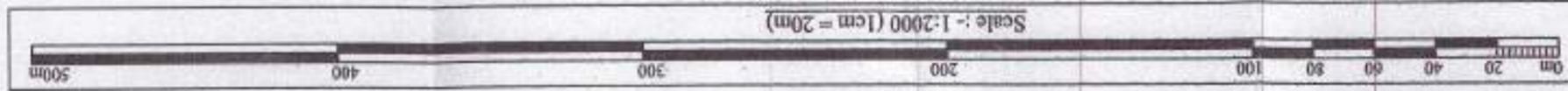
**APPLICATION FOR MINING RIGHTS IN GRANITES**  
**ENVIRONMENT PLAN**

Scale :- 1:5000 (1cm = 50m)

The plan is prepared on the basis of authenticated  
 mining lease sketch provided by the State  
 Govt/DFO certified that the above plan is correct.

Applicant

P. Viswam, B.E., Mining  
 (RQP/BNG/346/2015/A)



**INDEX**

- Boundary Line
- 7.5 M Safety Buffer Line
- Bench Mark 760 m MSL
- Site services
- Proposed Waste Dump
- Proposed Mineral Stocking
- Proposed Plantation
- Proposed Workings

Plate no. 6

Modified Mining Plan for Black Granite  
 over an extent of 4.980 Hectares (including Mining area 3.730 Ha ,  
 Safety Zone area 0.920 Ha & Road Area 0.330 Ha )  
 in Compartment No. 460 of Pachigunta R.F.  
 Pachigunta Beat, Chittoor Range, in Chittoor East Division and A.P.

**APPLICANT:- M/S SWEETY GRANITES**

**FINAL DIRECTOR OF MINES PLAN**

Scale :- 1:2000 (1cm = 20m)

The plan is prepared on the basis of authenticated mining lease sketch provided by the State Govt/DFO certified that the above plan is correct.



Applicant

P. Viswam, B.E., Mining  
(RQP/BNG/346/2015/A)