



Cell: 9701122123

# SRI AHOBILA NARASIMHA MINERALS

Takkellapadu (Vi), Kanigiri (Md), Prakasam Dist. Pin: 523230

*P. Babul Reddy*

Managing Partner

Date : 02-08-2022

To

The Pri. Chief Conservator of Forests  
& Head of Forest Force,  
Andhra Pradesh, Guntur.

Sir,

Sub:- Diversion of 4.23 ha. forest land in Compt.no. 450 of Yerragonda RF, Tummagunta (V), Kanigiri (M), Prakasham District for excavation of quartz in f/o. Sri Ahobila Narasimha Minerals – Modified Approved Mining Plan submitted – Reg.

- Ref:-
1. IGF (C), RO, Gol Vijayawada F.No.4-APB103/2020-CHN/80, Dt.04.10.2021.
  2. PCCF&HoFF, A.P., Guntur Rc.no.EFS02-15029/94/2018-FCA-3, Dt.11.03.2022.
  3. CCF, Guntur Rc.no.3667/2017-TO, Dt.11.04.2022.
  4. PCCF&HoFF, A.P., Guntur Rc.no.EFS02-15029/94/2018-FCA-3, Dt.13.05.2022.
  5. DDMG, Ongole Lr.no.1782/MMP/QTZ/MRKP/2022, Dt.29.07.2022.

-:oOo:-

In compliance to the instructions and permissions granted by the authorities in the references 1<sup>st</sup> to 4<sup>th</sup> cited, modified Mining Plan approved by the DDMG, Ongole in the reference 5<sup>th</sup> cited in connection with diversion of 4.23 ha. forest land in compt.no. 450 of Yerragonda RF, Tummagunta (V), Kanigiri (M), Prakasham District for excavation of quartz in f/o. Sri Ahobila Narasimha Minerals, is submitted herewith.

I request the benign PCCF &HoFF, A.P., Guntur to please consider the modified approved mining plan and forward the same to the Gol for early granting of Stage-I clearance to the subject proposal.

Yours faithfully,

*P. Babul Reddy*

M/s. Ahobila Narasimha Minerals

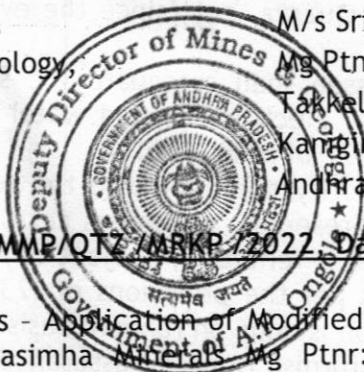
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**GOVERNMENT OF ANDHRA PRADESH  
DEPARTMENT OF MINES AND GEOLOGY**

**From**  
Sri B. Jagannadha Rao, M.Sc.,  
Deputy Director of Mines & Geology,  
ONGOLE.

**To**  
M/s Sri Ahobila Narasimha Minerals,  
Mg Ptnr: Sri P. Babul Reddy,  
Takkellapadu Village,  
Kanigiri Mandal, Prakasam Dist  
Andhra Pradesh - 523230



**Letter No:1782/MMP/QTZ /MRKP /2022, Dated:29 -07-2022**

Sir,

**Sub:** Mines & Minerals - Application of Modified Mining Plan filed by M/s. Sri Ahobila Narasimha Minerals Mg Ptnr: Sri P. Babul Reddy, for **Quartz** over an extent of Hectares in Compt No. 450 of Yerragonda R. F., Thummagunta Village, Kanigiri Mandal, Prakasam District - Approved - Regarding.

- Ref:**
1. Govt. Memo No. 7674/MII(1)/2014, Industries and Commerce Department, dated 03.02.2016.
  2. Memo no. 26389/D9/2017 dated: 27-06-2022 from the Director of Mines and Geology.
  3. Draft Mining Plan submitted on 28.06.2022 filed by M/s Sri Ahobila Narasimha Minerals Mg Ptnr: Sri P. Babul Reddy,
  4. This Office Letter No.1782/MMP/QTZ /MRKP /2022, dt:21.07.2022.
  - 5 . Letter dated: 28.07.2022 along with 5 sets of fair Modified Mining Plan from the applicant/RQP.

\*\*\*

In exercise of the powers conferred by the Director of Mines & Geology, Ibrahimpatnam through the reference 2<sup>nd</sup> cited, I hereby approve the Modified Mining Plan for the period Five Years of Quarry Lease held by M/s Sri Ahobila Narasimha Minerals Mg Ptnr: Sri P. Babul Reddy, for Quartz over an extent of 4.23 Hectares in Compt No. 450 of Yerragonda R. F., Thummagunta Village, Kanigiri Mandal under Rule 7A(ii) of Andhra Pradesh Minor Mineral Concession Rules 1966 read with G.O Ms No 56, Industries and commerce (Mines-II) Department, dt. 30.04.2016. The approval is subject to the following conditions.

1. The approval of modified mining plan is approved without prejudice to any other laws applicable to the Quarry Lease area from time to time whether such laws are made by the Central Government, State Government or any other authority.
2. 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) Act, 1957 and amended act 2015 and the Mineral Concession Rules 1960(Amended Rules 2016) and any other laws including the Forest Conservation Act, 1980 and Granite Conservation Development Rules 1999.

Contd..2



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3. The approval authority does not owe responsibility with regard to recovery factor of Quartz any, since the evaluation is done on random basis.
4. 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.
5. The approval authority does not owe the responsibility with regard to Assessment of the reserves, erroneous certification made by the R.Q.P. if any and approval is tentative, subject to Modification on new findings at a later date as per the provisions of (23 B & 23 D) of MCDR, 1988, since the evaluation is done on random basis.
6. The lessee should furnish financial assurance Rs 50,000/- in the shape of Bank guarantee to the Asst. Director of Mines and Geology, Markapuram required under amended Rule 7 and Rule 12(5) ( c) of APMMC Rules 1966, vide G.O Ms No. 53, dt. 27.02.2019.
7. The applicant / Lessee shall abide the minimum annual production ( % of mine plan) approved as required under Rule 12(5)( C) (i) of APMMC Rules 1966 & Schedule IV amended vide G.O Ms No. 90, Inds& Com(M.I) Dept., dt. 17.12.2020.

Sl.No	year	Minimum Annual production (Percentage of Approved Mining Plan)
1	Year 1	10 %
2	Year 2	30 %
3	Year 3	50 %
4	Year 4 onwards	60 %

8. The Grant is liable for cancellation should it be found that it was grossly inequitable or was made under a mistake of fact or owing to misrepresentation or fraud or in excess of authority.

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.

Yours faithfully,

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

*B. Gargun*  
Deputy Director of Mines & Geology,  
ONGOLE.

28/11/22

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.



**MODIFIED MINING PLAN FOR QUARTZ  
INCLUDING PROGRESSIVE MINE CLOSURE PLAN  
(Under Amended Rule 10 of the M.C. Rules, 1966)  
(FOR THE FIRST FIVE YEAR PLAN PERIOD)  
Over an extent of 42.44 Hectares of forest land in  
Compartment No. 1 of Yeeragonda R.F.,  
Tummagurta (V), Kanigiri (M),  
Prakasam District  
Andhra Pradesh State**



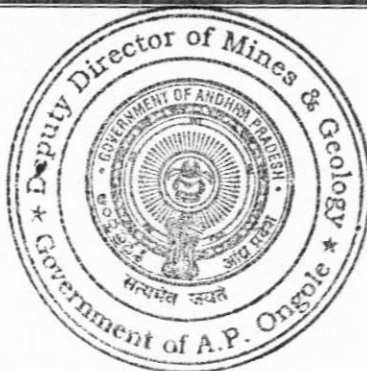
**APPLICANT**

**M/s SRI AHOBILA NARASIMHA MINERALS,  
Mg. Partner: Sri P. BABUL REDDY,  
S/o P. Konda Reddy, 4-53, Takkellapadu Village,  
Kanigiri Mandal, Prakasam District-523230,  
Andhra Pradesh State  
Ph.No: 9701122123  
Email Id: p.babulreddy@gmail.com.**

**Prepared By**

**SRI GOLLA VEERASWAMY  
CONSULTANT GEOLOGIST & RQP  
REGN. NO. RQP/ DMG / AP/ 01/2021,  
BOMMASANI SADHAN,  
2ND FLOOR,  
NEAR ONE CENTRE, GOLLAPUDI,  
VIJAYAWADA- 521225,  
PH NO-8639153355  
MAIL ID: veeragollageo@gmail.com**



**CONSENT LETTER**

Sri Golla Veeraswamy, Consultant Geologist & R.Q.P (RQP / DMG / AP /01 / 2021), is appointed for preparation of the Modified Mining Plan including Progressive Mine Closure Plan in respect of Quartz over an extent of 4.23 Hectares of forest land in Compartment no. 450 of Yerragonda RF, Tummagunta Village, Kanigiri Mandal, Prakasam District, and Andhra Pradesh State.

**APPLICANT**

Date:

*P. Babul Reddy*

Place:

**M/s SRI AHOBILA NARASIMHA MINERALS,  
Mg.Partner: Sri P.BABUL REDDY.**





**DECLARATION**

Certified that the Modified Mining Plan including Progressive Mine Closure Plan for Quartz over an extent of 4.23 Hectares of forest land in Compartment no. 450 of Yerragonda RF, Tummagunta Village, Kanigiri Mandal, Prakasam District, and Andhra Pradesh State prepared in consultation with me and we have understood its contents and agree to implement the same in accordance with law.

Date:

Place:

**APPLICANT**

*P. Babul Reddy*

**M/s SRI AHOBILA NARASIMHA MINERALS,  
Mg. Partner: Sri P.BABUL REDDY.**





I Sri P. Babul Reddy, Managing Partner of M/s Sri Ahobila Narasimha Minerals, aged about \_\_\_ years, residing at Kanigiri Mandal, Prakasam District, and Andhra Pradesh State. I do hereby solemnly and sincerely affirm and stated that:

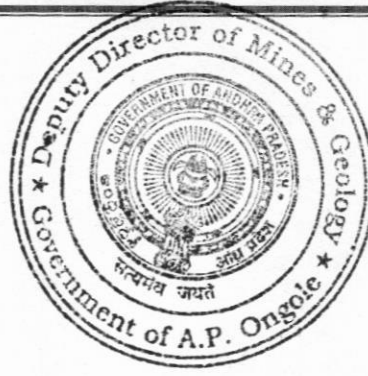
I have applied a quarry lease for Quartz over an extent of 4.23 Hectares of forest land in Compartment no 450 of Yerragonda RF, Tummagunta Village, Kanigiri Mandal, Prakasam District, and Andhra Pradesh State, for a period of 20 years. Now I am submitting the Modified Mining Plan for the five years for its Scrutiny & approval.

I submit that, the future quarrying operations shall be conducted in a systematic and scientific manner according to the stipulations laid down in the open cast mine as per Regulation 106, 111, 114 and 124 and also 165 etc., of Metalliferrous Mines Regulations, 1961, as per Rule 27 & 30 of APMMC Rules 1966 and Mineral Conservation and Development Rules, 1988.

I am submitting this affidavit towards quarrying operations will be taken up, in a systematic and scientific manner in the proposed Mining Plan period.

*P. Babul Reddy*  
**DEPONENT**





**CERTIFICATE**

Certified that "The information furnished in the Modified Mining Plan including Progressive Mine Closure Plan Quartz over an extent of 4.23 Hectares in Compartment no. 450 of Yerragonda RF, Tummagunta Village, Kanigiri Mandal, Prakasam District, and Andhra Pradesh State, held **by M/s Sri Ahobila Narasimha Minerals, Mg.P: Sri P. Babul Reddy** is true and correct to the best of my knowledge".

Date :

G Veeraswamy  
RQP

Place:

(Sri Golla Veeraswamy)  
(RQP/DMG/AP/01/2021)





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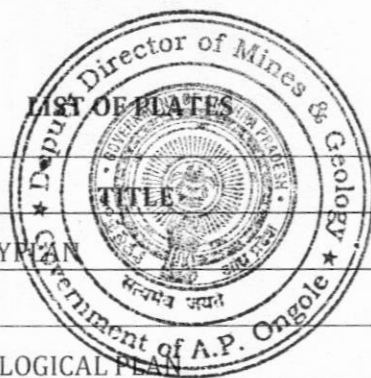


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#### LIST OF ANNEXURES

I	Copy of Work Order of the Prl.Chief Conservative of Forests vides Proceedings No. EFFS02-15029/94/2018-FCA-SEC-PCCF/FCA-2 Dated 16.09.2020.
II	Copy of LOI from the Department of Mines & Geology, Ibrahimpatnam vide notice no.26389/R3-2/2017,Dt;22.09.2017
III	Copy of order from the Asst. Director of the Mines &Geology, Markapur vide notice no.2579/Q/2017,Dt;10.11.2017
IV	Copy of Approved Letter of Previous AMP from the Dy. Director of Mines & Geology, Ongole vide letter No. 7163/MP/Quartz/MRKP/2021, dated: 31.07.2021.
V	Copy of the letter From the Forest Dpt:Rc.No:642/2013/TA.,Dt:07.04.2022.
VI	Copy of Letter from the Department of Mines & Geology, Ibrahimpatnam vide letter No. 26389/D9/2017, Dt: 27.06.2022
VII	Copy of land documents for proposed dump yard
VIII	Copy of Chemical Analysis test report
IX	Copy of letter from the Ministry of Environment, Forest & Climate Change , Vijayawada vide F.No: a-APB103/2020-CHN/80, Dt: 04.10.2021
X	Copy of lease photographs
XI	Copy of Google image
XII	Copy of RQP Certificate



**MODIFIED MINING PLAN FOR QUARTZ  
INCLUDING PROGRESSIVE MINE CLOSURE PLAN  
(Under Amended Rule 7A of APMMC Rules, 1966)  
(FOR THE FIRST FIVE YEARS PLAN PERIOD)  
Over an extent of 4.23 Hectares of forest land  
in Compartment No. 450 of  
Yerragonda R.F., Tummagunta Village, Kanigiri (M),  
Prakasam District, Andhra Pradesh State**

**INTRODUCTION:**

M/S Sri Ahobila Narasimha Minerals, Mg. Partner: Sri P. Babul Reddy has applied for grant of Quarry Lease for Quartz over an extent of 4.72 Ha in Forest land in Compartment No. 450 of Yerragonda R.F., Tummagunta Village, Kanigiri Mandal, Prakasam District, in Andhra Pradesh State.

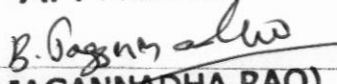
After careful examination of the proposals of the user agency the Pri. Chief Conservator of Forests & Head of Forest Force, Aranya Bhavan, Andhra Pradesh, K.M. Munshi Road, Guntur is request to submit the approved mining plan for the quarry lease applied area of Quartz over an extent of 4.72 Ha in Forest land in Compartment No. 450 of Yerragonda R.F., Tummagunta Village, Kanigiri Mandal, Prakasam District, in Andhra Pradesh State, in favour of **M/S Sri Ahobila Narasimha Minerals, Mg. Partner: Sri P. Babul Reddy** subject proposal for taking further action in the matter vide letter number Ref No. EFS02-15029/94/2018-FCA-SEC-PCCF/FCA-2, Dated: 16.09.2020. (Annexure - I)

The Asst. Director of Mines & Geology, Markapur submitted proposals recommending for grant of Quarry Lease for Quartz over an extent of 4.23 Hectares of forest land in Compartment No. 450 of Yerragonda R.F., Tummagunta Village, Kanigiri Mandal, Prakasam District, in Andhra Pradesh State in favour of **M/S Sri Ahobila Narasimha Minerals, Mg. Partner: Sri P. Babul Reddy** for a period of 20 years.

After careful examination of the proposals of the Assistant Director of Mines & Geology, Markapur, the Director of Mines & Geology, Ibrahimpatnam it is decided in principle to grant of Quarry Lease for Quartz over an extent of 4.23 Hectares of forest land in Compartment No. 450 of Yerragonda R.F., Tummagunta Village, Kanigiri Mandal, Prakasam District, in Andhra Pradesh State in favour of **M/S Sri Ahobila Narasimha Minerals, Mg. Partner: Sri P. Babul Reddy** for a period of 20 years subject to submission of Approved Mining Plan with a condition that the Approved Mining Plan shall 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 etc., and the stipulated distances as per the various regulations prescribed under Mines and Metalliferous Regulations '1966 along with Consent for Establishment from A.P. Pollution Control Board & Environment Impact Assessment Notification through S.O. 1533, dated 14.09.2006 to consider grant of quarry lease for Quartz vide Director of Mines & Geology, Ibrahimpatnam and issued Notice No. 2579/Q/2017, Dt: 10.11.2017 (Annexure-II)

Accordingly as per above said, the Mining Plan was prepared and has been approved by the DDM&G, Ongole for the proposed area of 4.23 Hectares of forest land in Compartment No. 450 of Yerragonda R.F., Tummagunta Village, Kanigiri Mandal, Prakasam District, in Andhra Pradesh State for a period of 5 years in favour of **M/S Sri Ahobila Narasimha Minerals, Mg. Partner: Sri P. Babul Reddy** vide letter No. 7163/MP/Quartz/MRKP/2021, dt: 31.07.2021 (Enclosed as Annexure-III)

This Mining scheme is Approved Subject to  
the Conditions Stipulations Indicated  
in the Mines Scheme Approval Letter  
No: 1782/MMP/072/MRKP/2021  
Dated: 29/7/2021

**APPROVED**  
  
**(B. JAGANNADHA RAO)**  
Deputy Director of Mines & Geology  
ONGOLE, Prakasam Dist. (A.P.)



As the matter stood, the Applicant **Sri P. Babul Reddy, Managing Partner of M/S Sri Ahobila Narasimha Minerals** stating that the user agency has conducted the DGPS Survey in the presence of Kanigiri Range Staff on 26.03.2022 and the total area arrived mining area is 4.23 Ha (Mining area 1.79 Ha, Safety area 0.67 Ha and Road area 1.77 Ha).

Further, it is submitted that the Forest Range Officer, Kanigiri has inspected the above location along with concerned section staff and verified the DGPS Surveyed maps submitted by the user agency and found to be correct. Further, it is submitted that the total arrived mining area is 4.23 Ha (Mining area 1.79 Ha, Safety Zone area 0.67 Ha and Road area 1.77 Ha). Therefore, applicant wants to modify the mining plan based on re-conducted DGPS Survey and revise the reserves estimation.

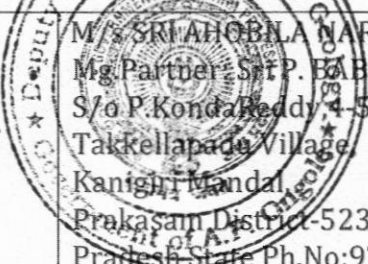
**M/S Sri Ahobila Narasimha Minerals, Mg. Partner: Sri P. Babul Reddy**, approached Sri Golla Veeraswamy Consultant Geologist & RQP (RQP/DMG/AP/01/2021) for preparation of Mining Plan in the above mentioned area.

Accordingly this Mining Plan is prepared as per guidelines issued in Form-T in G.O.Ms No.54, Industries & Commerce (M.II) Department dated 30.04.2016 under Rule 12(5)(c) of APMCM Rules, 1966 and Progressive Mine Closure Plan under Rule 23 (B) of MCDR 1988 for the five years and submitted to the Deputy Director of Mines & Geology, Ongole for Approval.

Hence, Proposals are made for 5 years period and submitted to the Deputy Director of Mines & Geology, Ongole for Approval.



## I. GENERAL

1.	Name and Address of the applicant	 M/s. SRI AHOBILA NARASIMHA MINERALS, Mg. Partner: Sri P. BABULREDDY, S/o P. Kondareddy, 4-53, Takkellapadu Village, Kanigiri Mandal, Prakasam District-523230, Andhra Pradesh State Ph.No:9701122123 EmailId:p.babulreddy@gmail.com
2.	Status of the applicant	Private Firm
3.	Mineral(s) which are included in the Letter of Intent	Quartz
4.	Name and Details of person employed for preparing Mining Plan	Sri Golla Veeraswamy Consultant Geologist & RQP Regn. No. (RQP / DMG / AP/ 01 / 2021) Bommasani Sadhan, 2nd Floor, Near One Centre, Gollapudi, Vijayawada- 521225 Ph.No-8639153355 Mail Id: <a href="mailto:veeragollageo@gmail.com">veeragollageo@gmail.com</a>
	RQP Registration No.	RQP/DMG/AP/01/2021 (Valid Upto 27.04.2031)
5.	Period of Quarry Lease Proposed	20 Years



## II. LOCATION AND ACCESSIBILITY

## 1. Applied Area/Lease Details

Sy.No.	Compartment No.450 of Yerragonda RF
Village	Tammagunta
Mandal	Kanigiri
District	Prakasam
State	Andhra Pradesh
Extent	4.23 Hectares
Ownership of Occupancy	Forest Land

## Geo Co-ordinates

The mining lease applied area the Survey of India, Topo sheet No.57M/07 (Scale 1:50,000) and is bounded

B.P No	LATITUDE	LONGITUDE
S1	N 15.45601891	E 79.45484770
S2	N 15.45564047	E 79.45541080
S3	N 15.45488006	E 79.45464109
S4	N 15.45431205	E 79.45406964
S5	N 15.45397855	E 79.45342805
S6	N 15.45328203	E 79.45284214
S7	N 15.45354519	E 79.45239808
S8	N 15.45416166	E 79.45291279
S9	N 15.45522956	E 79.45409752
M1	N 15.45592397	E 79.45485775
M2	N 15.45563041	E 79.45529707
M3	N 15.45492927	E 79.45458808
M4	N 15.45436632	E 79.45402604
M5	N 15.45403978	E 79.45338501
M6	N 15.45337711	E 79.45282568
M7	N 15.45356484	E 79.45249041
M8	N 15.45410557	E 79.45295803
M9	N 15.45519985	E 79.45416465

The above Geo-Coordinates are taken for location purpose only, the accuracy of geo-coordinates are various from  $\pm 1$  Cm to  $\pm 3$  Cm and the accuracy of the geo-coordinates of the area depends upon signal strength of the satellite signals.

*Refer the lease sketch is enclosed as Plate No.2*

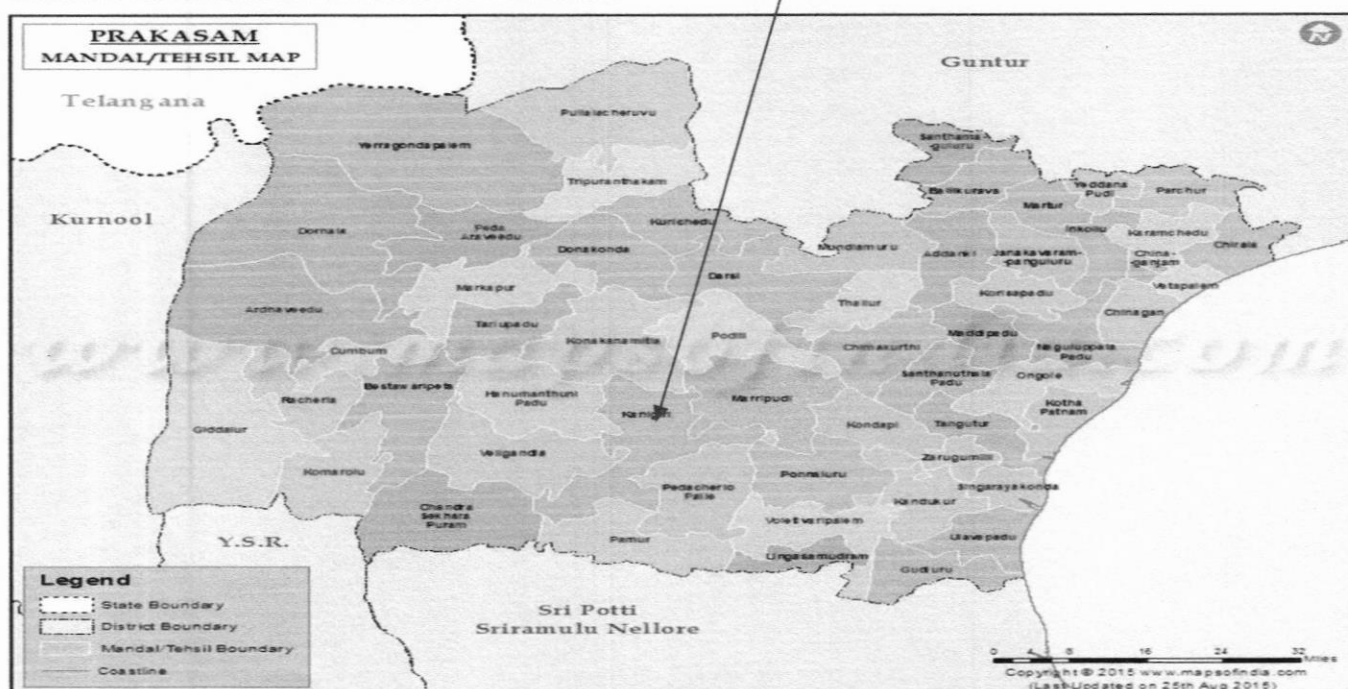
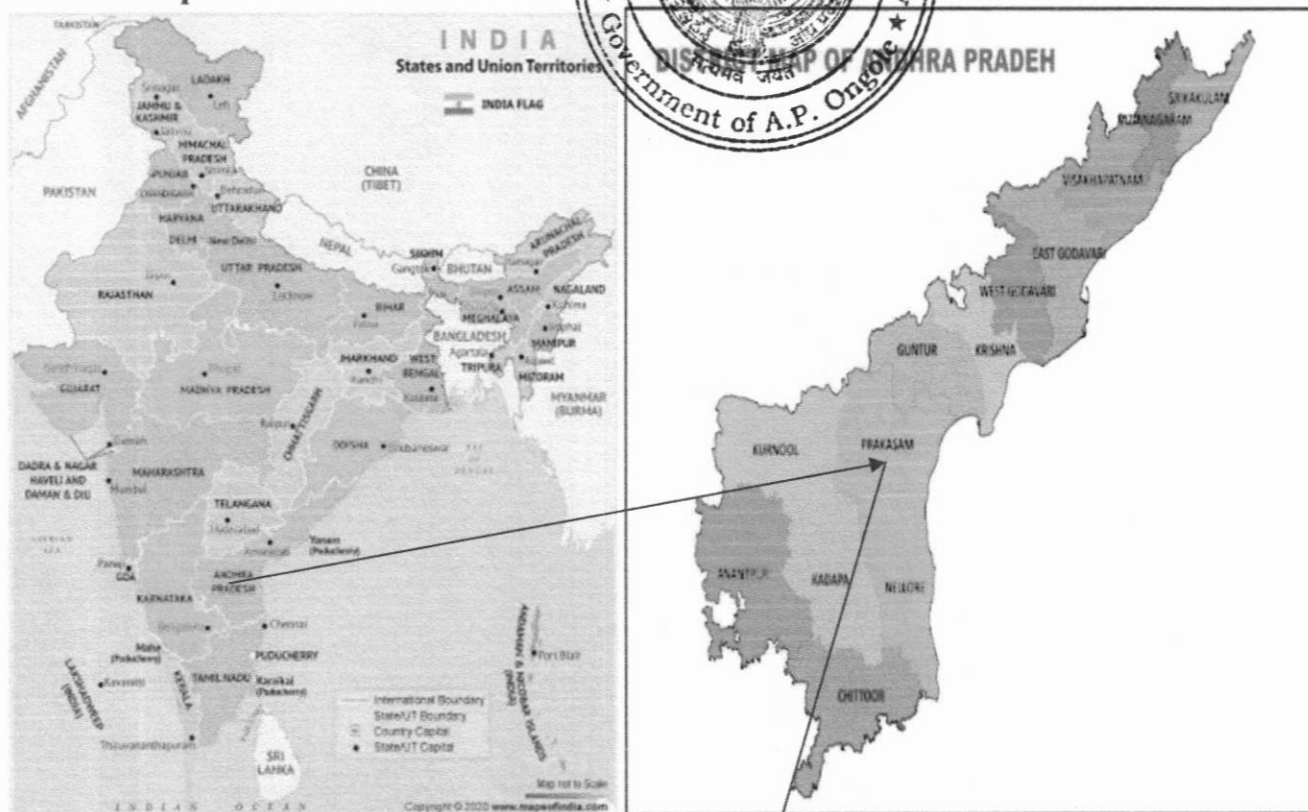
## Total Extent Accessibility

The mining lease applied area is located at the distance of 3.10 Km due SE of challagirigala village. The District Head Quarters Ongole is located towards NE at the distance of 64.23 Km. The quarry lease applied area can be approached from Ollapalem-Vemulapadu Road at a distance of 2.66km towards south of the lease applied area.. The mine lease applied area can be approached in all seasons.  
The location of the area is indicated in Key-Cum-Location Map (Plate-I).



The Cadastral Map certified by the Divisional Forest Officer, Giddalur, in favour of **M/S Sri Ahobila Narasimha Minerals, Mg.Partner: Sri P. Babu Reddy** is given as Plate No. II.

## 2. Location Map:





**3. INFRASTRUCTURE AND COMMUNICATION**

<b>Availability of Water</b>	The ground water is available 25-30 M BGL. The agricultural fields in the surroundings of the quarry lease applied area are irrigated by ground water.
<b>Availability of Electricity</b>	Electricity is available in all the Tummagunta village and In the nearby agricultural and bore wells.
<b>Communication Network</b>	Tele Communications is available at the Tummagunta Village.
<b>Road Network</b>	Ollapalem-Vemulapadu Road at a distance of 2.66km towards south of the lease applied area. State Transport Bus Services ply frequently; Private Transport is also available on this road network.
<b>Nearest Rail Head</b>	Cumbum Railway station is 39 km away from the site towards NE direction.
<b>Port Facility</b>	Krishnapatnam Port is about 194 Km from the Site.
<b>School</b>	Primary School Education is available at Tummagunta Village and Higher Education are available at Kanigiri village.
<b>Medical Facility</b>	Medical facilities are available in Tummagunta village.

**BOUNDARIES**

<b>North</b>	Hill Area
<b>South</b>	Hill Area
<b>East</b>	Hill Area
<b>West</b>	Hill Area

Further good potential exists for the employment of unskilled labour in the existing Quarries and Allied Small-Scale Industries. The area experiences Semi-Arid Climatic Conditions with an average annual rainfall of 800 mm. The local day temperature varies from 29°C to 44°C in summer seasons and 17°C to 26°C in winter. The general wind direction reported is SW to NE and SE to NW.  
(Source: <http://www.onefivenine.com/india>)

**3. DETAILS OF APPROVED MINING PLAN, IF ANY**

It is a Modified Mining Plan, Previously one mining plan was approved by the DDM&G Ongole vide letter No. 7163/MP/Quartz/MRKP/2021, dated: 31.07.2021 over an extent of 4.23 hect in Compartment No. 450 of Yerragonda R.F., Tummagunta Village, Kanigiri Mandal, Prakasam District in Andhra Pradesh State for a period of 5 years in favour of **M/S Sri Ahobila Narasimha Minerals, Mg. Partner: Sri P. Babul Reddy**

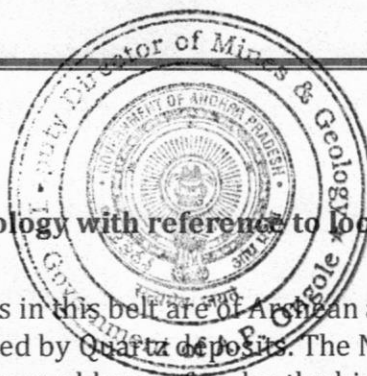




# 1. GENERAL DETAILS OF THE APPLIED AREA/ MINING LEASE

1.	Physiography	The quarry lease applied area is located on the Hill lock. Surface level covered by the soil and the bushes.
2.	Topography	<p>The quarry lease applied area is located on a part of hill lock over the clay silty outcrop with a maximum elevation of 45 M above ground level. The lowest contour is 180 M and highest contour is 255 M in Topo plan (Plate-III).</p> <p><b>Relief:</b> The relief of a place is the difference between the highest and lowest elevations in an area. The highest Contour of the Quarry lease area is 255m and lowest Contour of the quarry lease area is 180m. The difference between the highest and lowest elevations of the area is 75m</p> <p><b>Gradient:</b> The rate of inclination to horizontal expressed as a ratio. The Gradient of the lease area is 1:9, indicating a one unit rise to 9 units of horizontal distance.</p> <p><b>Slope Angle:</b> Slope is a physical feature of the land form. Land form refers to the tangent of the angle of that surface to the horizontal. The slope angle of the lease area is 80 Indicates steep slope.</p>
3.	Drainage	Sub-Dendritic Pattern in E-W direction
4.	Vegetation	Sparse with thorny bushes in the quarry lease applied area, areas around the quarry lease applied area are cultivation lands
5.	Climate	The area experience semi-arid climatic condition. The area experience 800 mm average annual rainfall during August - November months. The day temperature varies 29°C in winter and about 44°C in summer season. The general wind direction is SW to NE & SE- NW.
6.	Rainfall	The average annual rainfall of the area is 800 mm
7.	Soil Type	Red Clayey Soil
8.	Land use pattern	The quarry lease applied area is hillock with sparse vegetation small bushes from the vegetal cover.





## 2. GEOLOGY AND EXPLORATION

### a) Brief description of Regional Geology with reference to location of lease/ applied area

The main geological formations in this belt are of Archaean age. The area applied for quarry lease is essentially Nellore schist traversed by Quartz deposits. The Nellore schist belt trends NNE-SSW. N-S and NNW-SSE. It consists of two assemblages of rocks, the high-grade metamorphic rocks in the eastern and southern parts of the belt and the low-grade green schist facies rocks with associated lower amphibolites facies. The low grade schist of green schist of the west comprises of current bedded quartzite. Quartz-schist, chlorite schist, phyllite and Metabasalt. They are unaltered where they are in contact with migmatite and devoid of pegmatite intrusions. The green schist assemblage is younger than the lower grade assemblages.

Quartz vein & Pocket deposits	Intrusive body into country rock
Nellore schist belt	Micaceous phyllite & schist
Upper Dharwars	Quartzite, sandstone
Lower Dharwars	Granite Rock & Metamorphic Rocks
Middle Dharwars	Schist, Phyllite
Achaeans	Igneous Rock formation

### b) Local Geology

Most of the area is occupied by soil and thorn bushes, Geological observations are carried out with in the applied areas well as in and around the applied area. As per the observation the applied area is partly covered with Quartz pockets here and there in a scattered manner. Local Geology and Lithology of the area is as follows.

Quartz vein	No vein is exposed. Pocket deposits of quartz are noticed here and there.
Fine Grade Quartz Soil	Quartz with Sedimentation of Clayey Material
Schists and Other Rocks	Host rock as side burden of intrusive bodies



**C. Details of Mining Lease Applied holder**

M/s SRI AHOBILA NARASIMHA MINERALS

Mg.Partner: Sri P.BABULREDDY,

S/o P. Konda Reddy,

4-53, Takkellapadu Village,

Kanigiri Mandal,

Prakasa District-523230,

Andhra Pradesh State Ph.No:9701122123

Email Id: p.babulreddy@gmail.com

**d) Details of Prospecting/Mining Carried Out**

No mining is carried out in this area as the subject area is applied for the grant of quarry lease applied area.

**e) Surface Geological Plan area on 1:2,000 Scale****Topographical Survey**

Total Station (5 Cm accuracy) was deployed to capture the contours.

The TBM is taken at Boundary pillar S2 with its value is 180 M

The features captured are drafted to prepare the Surface Geological Plan on 1: 2,000 Scale

The accuracy of geo coordinates are various from  $\pm 1$  Cm to  $\pm 3$  Cm and the accuracy of the geo-coordinates of the area depends upon signal strength of the strength of the satellite signals.

**MAPDATUM: WGS-84**

Position Format	hddd-mm-ss.s
Map Datum	WGS-84
Units	Metric
North Reference	Magnetic
Variance	001°W
Angle	Degrees

**f) Surface cum Geological Plan prepared on a scale 1:2,000**

Detailed field survey conducted to prepare the surface plan representing the topography and other surface features. The surface Geological Plan of the quarry area prepared in 1:2,000 scale with contour interval of 3m enclosed as Plate No. III

**g) Geological Sections on natural scale at suitable interval across the lease area or applied area**

Geological traverses in the mine and existing mining pits in the vicinity facilitated to access the shape and size of the deposit in the area. It is a part of hill deposit rising 75 M above ground level within the mining leased applied area (The lowest contour is 180 M and highest contour is 255 M).



### Method of Estimation of Reserves

The exposed deposit is found to be irregular in shape; the volume of the deposit is computed by Cross Sectional Area method by multiplying the Sectional Influence.

The cross sections were drawn perpendicular to the strike direction, the cross sectional area of the individual sections are calculated to arrive at sectional area, the area thus arrived is multiplied by the sectional influence of to arrive the volume of rock mass.

The cross sections in SW-NE direction are drawn at equal interval with an average sectional influence of 38m. 2 Cross Sections A-A' & B-B' was drawn (Plate-III).

Based on the field studies and actual quarrying experience of similar deposits in the region, entire deposit available within the quarry lease applied area does not possess the required quality and it is estimated that only 60% of the total excavated rock will result in marketable blocks of quartz deposit. Therefore, the volume of the deposit is multiplied with a recovery factor of 60% to obtain the geological reserves, the balance 40% shall account for waste. This can be termed as mineral waste and dumped in the yard allocated for this.

### h) Reserves and Resources as per UNFC. Detailed calculation of reserves shall be stated

The reserves are estimated by multiplying the cross sectional area with the influence distance of section, Specific Gravity / Tonnage factor (T.F) and recovery factor (R.F). The Specific Gravity/tonnage factor of Quartz is considered as 2.70.

The intercalated waste from the joints in Quartz, which are rejects, considered @ 65% of the ROM, recovery factor saleable ore is taken as 60%.

The Specific Gravity /Tonnage factor of Quartz is considered as 2.70 and recovery factor saleable ore is taken as 40%.

The reserves upto 20 M below the surface are considered under Proved Category of Reserves (Plate - III).

Hence, only G1 (Proved) scale category as (111) code is calculated. No resources are considered under G2 & G3 (Probable & Possible) scale of exploration.

**\*Note:** The reserves estimated by using formula as said above, further the total reserves estimated by AUTO CAD 2014 Version. So the reserves may vary up to 5% from Manual calculation Reserves to CAD calculation reserves..



**1. Total Geological Reserves:**

Sections	Category & UNFC Code	Sectional Area (Sq.M)	Sectional Influence (M)	Volume (Cum)	Specific Gravity	ROM (Tons)	Recovery Factor @60% (Tons)	Waste @40% (Tons)
A-A'	G1 Proved (111)	13,486	30	4,04,580	2.7	10,92,366	6,55,420	4,36,946
B-B'		3,341	36	1,20,276	2.7	3,24,745	1,94,847	1,29,898
Total Proved Reserves				5,24,856		14,17,111	8,50,267	5,66,844

**2. Reserves Blocked Under Safety Benches**

Sections	Category & UNFC Code	Sectional Area (Sq.M)	Sectional Influence (M)	Volume (Cum)	Specific Gravity	ROM (Tons)	Recovery Factor @60% (Tons)	Waste @40% (Tons)
A-A'	G1 Proved (111)	1,136	30	34,080	2.7	92,016	55,210	36,806
B-B'		603	36	21,708	2.7	58,612	35,167	23,445
Blocked Reserves				55,788		1,50,628	90,377	60,251

**3. Reserves Blocked Under 7.5M Buffer Zone**

Sections	Category & UNFC Code	Sectional Area (Sq.M)	Sectional Influence (M)	Volume (Cum)	Specific Gravity	ROM (Tons)	Recovery Factor @60% (Tons)	Waste @40% (Tons)
A-A'	G1 Proved (111)	527	30	15,810	2.7	42,687	25,612	17,075
B-B'		450	36	16,200	2.7	43,740	26,244	17,496
Blocked Reserves				32,010		86,427	51,856	34,571

**Reserves in UNFC Code:**

S.No.	Category of Reserves	UNFC Code	Reserves in Tons	Reserves In Million Tons
1	Proved	111	14,17,111	1.417111
2	Probable	121	NILL	NILL
3	Possible	333	NILL	NILL



<b>RESERVES AVAILABLE FOR MINING</b>		
<b>A</b>	Total Geological Reserves	<b>14,17,111 Tons</b>
<b>B</b>	Reserves Blocked under 7.5M Buffer Zone	<b>86,427 Tons</b>
<b>C</b>	Reserves Blocked under Safety Slopes	<b>1,50,628 Tons</b>
<b>D</b>	Blocked Reserves (B+C)	<b>2,37,055 Tons</b>
<b>E</b>	Reserves available for Mining (A-(B+C))	<b>11,80,056 Tons</b>
<b>F</b>	Recovery (60%)	<b>7,08,034 Tons</b>
<b>G</b>	Proposed Production Per Annum	<b>35,397 Tons</b>

The recovery percentage of Quartz is 60%, so the reserves are 7,08,034 Tons

Life of the Mine = Total Mineable Reserves / Average Annual Production

= 7,08,034 Tons / 35,397 Tons

= 20.002 OR SAY 20 YEARS

### 3. MINING

#### a) Open Cast Mining

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

The method of mining shall be opencast and semi-mechanized on single shift basis. Excavations shall be carried out by crow bars, chisel and hammers. Blasting is carried out only occasionally. Blast holes are drilled by hired tractor mounted compressor using jackhammers. Bench height and width will be maintained at 6 m and 3m each respectively with overall slope at 60°. Excavation and loading shall be carried out with simple excavators of capacity 0.9 to 1.1 Cu.M bucket capacity. This shall be utilized for developmental work, excavation and loading into the trucks.

##### ii) The firm intends to extract the Quartz production to the tune of **35,397 Tons** of Quartz per annum during the first five years of the plan period.

- Capacity of Quartz raising per annum (@60%) = 35,397 Tons
- Total excavation (Five years production @60%) = 1,76,985 Tons
- No of Working Days considered = 250
- Total required quantity of excavation per Annum = 35,397 Tons
- Total required quantity per day = 141.588 Tons per day

The quartz is exposed on the surface like pocket deposits here and there. Hence, it is proposed to quarry the quartz by open cast, using semi-mechanized method by deploying an excavator will be deployed to slice the quartz layer from one end to another end and load into trailer, no other machinery is required.



- iii) Indicate year wise tentative excavation in cubic meters indicating development, ROM, pit wise as in table.

Year	Pit No	Total Tentative Excavation	Top Soil	ROM from Mineralized Zone				Waste 40%	ROM / Waste Ratio
				GB / SB / IB	Clean Ore 60%	Sub-Grade Ore	Mineral Rejects		
1	2	(MT)	(M <sup>3</sup> )	(M <sup>3</sup> )	(MT)	(MT)	(MT)	(MT)	9
1 <sup>st</sup>	-	58,995	Nil	Nil	35,397	Nil	Nil	23,598	1:0.4
2 <sup>nd</sup>	-	58,995	Nil	Nil	35,397	Nil	Nil	23,598	1:0.4
3 <sup>rd</sup>	-	58,995	Nil	Nil	35,397	Nil	Nil	23,598	1:0.4
4 <sup>th</sup>	-	58,995	Nil	Nil	35,397	Nil	Nil	23,598	1:0.4
5 <sup>th</sup>	-	58,995	Nil	Nil	35,397	Nil	Nil	23,598	1:0.4
<b>TOTAL</b>		<b>2,94,975</b>			<b>1,76,985</b>			<b>1,17,990</b>	
<b>AVERAGE</b>		<b>58,995</b>			<b>35,397</b>			<b>23,598</b>	

iv) **Dump Management**

The waste generated will be dumped at the Patta land/Assigned land which is located outside of the lease applied area. Dump documents are enclosed as Annexure-4. The dump will be re-handled for back filling the matured pits.

**V) Protective Measures and Precautions to be taken under the waste dump management shall be as follows:**

1. The ultimate dump slope will be maintained at 30°
2. The ultimate dump slope will be maintained at 300
3. The individual terrace heights will be maintained at 15m.
4. Each terrace will have inward slope with catch drains at the inward side of the terrace.
5. The catch drains of the individual terrace will be connected to the garland drain outside the periphery of the dump.
6. These catch drains will have half concrete open pipes followed by settling tanks to avoid wash offs.
7. Each terrace will also have a provision of berms at the outer end to reduce gully formation due to rain water wash offs.
8. The retaining wall has to be made to arrest the waste dump materials for consolidation and will be constructed during first year of the plan period.
9. Garland drains are to be paved around the dump to arrest possible wash off in rainy seasons and will be constructed during first five year of plan period.
10. Suitable grass/plan species planted in the dump slope, which will hold the materials in it fibrous and spread over roots to protect wash off in the rainy season.

**Lay out of Mine workings, pits, roads etc.**

Mining operations are simple methods with wire saw cutting will be deployed based on the favourable conditions. Roads / Ramps are temporary and are altered from time to time.



**Production Proposed for the first five years**


Tentative excavation planned for the first 05 Years. Specific area of excavation for the each year is shown in the five year production plan (Plate No.5). Within this specified area excavation will be carried out by maintaining 7.5 Mts Buffer zone and safety slope in applied lease area as per the safety Norms. Details of the area excavated for the each year and estimation of the approximate amount of material tabulated below. Total amount of Quartz to be recovered is estimated as 2,94,975 Cum within this 40% Waste Material i.e., 1,17,990 Cum can be produced. So that the recoverable reserves estimated is 60% i.e., 1, 76,985 Cum will be recovered.

**Mining Program for the first five years**

The Applicant proposes to take up quarrying operations of the quarry lease area between the grids N 1709081.2946- N 1709176.4169 to E 333969.5940 -E 334075.9344. The excavation activity will be taken up from the quarry lease area SW to NE (Plate - V).

YEAR	QUARTZ
1st	<p>During 1st year, the mining will be initiated from SW-NE of the mining lease applied area between the grids N 1709081.2946- N 1709117.0620 to E 333969.5940 -E 334013.7777.</p> <p>58,995Tons of ROM and will be obtained by excavating an sectional area of 971.11 M<sup>2</sup> with a influence of 22.5 M, producing 35,397 Tons of Quartz @60% recovery and 23,598 Tons @40% waste will be generated during the 1st year plan period by covering the cross section of A-A'.</p>
2nd	<p>During 2<sup>nd</sup> year, the mining will continues below the 1<sup>st</sup> year workings between the grids N1709108.7795 -N 1709131.6924 to E 1709117.0620 -E1709122.7482.</p> <p>58,995Tons of ROM and will be obtained by excavating an sectional area of 971.11 M<sup>2</sup> with a influence of 22.5 M, producing 35,397 Tons of Quartz @60% recovery and 23,598 Tons @40% waste will be generated during the 1st year plan period by covering the cross section of A-A'.</p>
3rd	<p>During 3<sup>rd</sup> year, the mining will continues below the 2<sup>nd</sup> year workings between the grids N1709136.9741 -N1709161.7601 to E 334017.0504- E 334057.9006.</p> <p>58,995Tons of ROM and will be obtained by excavating an sectional area of 971.11 M<sup>2</sup> with a influence of 22.5 M, producing 35,397 Tons of Quartz @60% recovery and 23,598 Tons @40% waste will be generated during the 1st year plan period by covering the cross section of A-A'.</p>





4th	<p>During 4th year, the mining will continues below the 3<sup>rd</sup> year workings between the grids N1709136.9741 - N1709161.7601 to E334017.0504 - E334057.9006. 58,995Tons of ROM and will be obtained by excavating an sectional area of 971.11 M2 with a influence of 22.5 M, producing 35,397 Tons of Quartz @60% recovery and 23,598 Tons @40% waste will be generated during the 1st year plan period by covering the cross section of A-A'.</p>
5th	<p>During 5<sup>th</sup> year, the mining will continues below the 4th year workings between the grids N1709152.1891-N1709176.4169 to E334032.6402 - E334057.9006. 58,995Tons of ROM and will be obtained by excavating an sectional area of 971.11 M2 with a influence of 22.5 M, producing 35,397 Tons of Quartz @60% recovery and 23,598 Tons @40% waste will be generated during the 1st year plan period by covering the cross section of A-A'.</p>

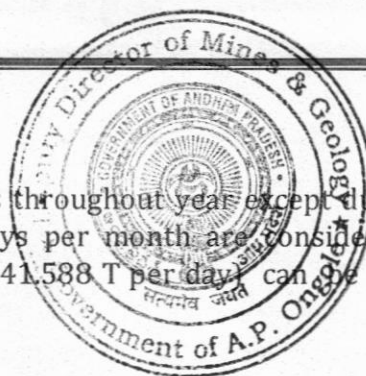


YEAR WISE PRODUCTION OF QUARTZ FOR FIVE YEARS								
YEAR	SECTIONS	AREA (Sqm)	SECTIONAL INFLUENCE	VOLUME	Specific Gravity	ROM	RECOVERY @60%	WASTE @40%
			(M)	Cu.M		(TONS)	(TONS)	(TONS)
FRIST YEAR	A-A'	971.11	22.5	21,850	2.7	58,995	35,397	23,598
SECONDY AR	A-A'	971.11	22.5	21,850	2.7	58,995	35,397	23,598
THIRD YEAR	A-A'	971.11	22.5	21,850	2.7	58,995	35,397	23,598
FOURTH EAR	A-A'	971.11	22.5	21,850	2.7	58,995	35,397	23,598
FIFTH YEAR	A-A'	971.11	22.5	21,850	2.7	58,995	35,397	23,598
TOTAL				1,09,250	-	2,94,975	1,76,985	1,17,990
AVERAGE				21,850		58,995	35,397	23,598

**Quantum of Excavation :** A total ROM of 2,94,975 Tons of Quartz will be produced from that 1,76,985 Tons i.e., 60% Recovery will be produced and 1,17,990 Tons i.e., 40% Waste will be generated during the five years of plan period.







### c) Production Schedule

The production of Quartz continuous throughout year except during monsoon that is 10 working months, 25 working days per month are considered. The average production of 35,397 Tons per year (250 days @ 141,588 T per day) can be easily achieved in a single shift with sufficient men and machinery.

### d) Magazine Type and Capacity

Applicant will apply for the Explosive license for storing the explosives with 100 Kg Portable Magazine. Alternatively engages a licensed blasting contractor for carrying out the drilling and blasting.

### Description of Processing Plant

No processing is required.

**Under Ground Mining:** Not Applicable

## 4. MINE DRAINAGE

A	Minimum and Maximum depth of water table	Shallow aquifers during monsoon period and canal flows. Depletion of water occurs during summer Water table depth ranges from 25-30 m
B	Indicate Maximum and minimum depth of workings	Contour: 255-231 -RL:196M
C	Quantity and Quality of water	Potable
D	Regional Drainage Pattern	Parallel

## 5. STOCKING OF MINERAL REJECT / SUB GRADE MATERIAL AND DISPOSAL OF WASTE

Estimated waste quantity that will be generated during For the First Five Years will be 1,17,990 Tons.

Year	Waste@40% (Tons)
1 <sup>st</sup>	23,598
2 <sup>nd</sup>	23,598
3 <sup>rd</sup>	23,598
4 <sup>th</sup>	23,598
5 <sup>th</sup>	23,598
<b>TOTAL</b>	<b>1,17,990</b>
<b>AVERAGE</b>	<b>23,598</b>

### Estimated Waste Quantity that will be generated in First Five Years

At the rate of 23,598 Tons of waste per year, the total of waste generated in First Five Years estimated to be 1,17,990 Tons.



### 6. USE OF MINERAL AND MINERAL REJECT

The Quartz of this area is not meant of captive use. The mineral quartz will be sold to the Ferro Alloy Industries, Foundries, and Ceramics and to Glass Industries.

#### Specifications stipulated by buyers

Industry	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>
<b>Quartz</b>			
AGI(Glass)	98.5	0.05	0.40
HMT Bulb Industry	98.4	0.05	0.55
Hindustan Sanitary Ware	99.4	0.03	0.24
Sheet Fiber Glass	99.6	0.03	0.15

### 7. PROCESSING OF ROM AND MINERAL REJECT

Processing is going on for manufacture granulites. The applicant has also stated that he will establish proposed plants in the leased area.

### 8. OTHERS

#### a) Extent of Mechanization

The following machinery is deployed by the company

S.NO.	RATEDCAPACITY	REQUIREMENT OF MACHINERY
01.	HitachiBucketCapacity0.9M <sup>3</sup>	1No.
02.	Jack Hammers	4No's.
03.	Tractor Mounted Compressor	1No.
04.	Water Tanker (Tractor Mounted)5000L	1No.
05.	Tractors with Trailers	4No's.

#### Employment Potential

The human resources deployed are as follows :

S.NO.	CATEGORY	NO'S
	<b>Supervisory Cader</b>	
1.	Mines Manager Cum Mining Engineer	1
2.	Mine Mate	1
	<b>Work Persons</b>	
3.	Excavator Operator	1
4.	Drivers	5
5.	Compressor Operator	4
6.	Semi Skilled Workers	20
7.	Un-Skilled Workers	20
	<b>TOTAL</b>	<b>52</b>



**b) Labour Employed:**

- Daily 52 members of labour were employed in this quarry.
- The Applicant will provide training classes yearly once and also provides shoes, helmets, masks ear bugs, spectacles to the employees and a first aid kit in the working site for safety precautions.

**c) Safety Gears:**

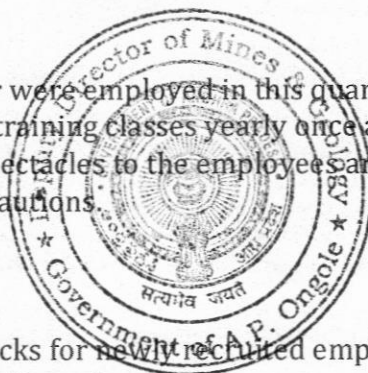
- Pre-employment health checks for newly recruited employees.
- Periodical health checks for all employees.
- A well maintained unexpired first aid kit at the site.
- First-Aid training to supervisory personnel on site.
- Supply of sufficient fit to wear "Personal Protective Equipment (Hard hat, safety jackets, safety shoe, ear plugs, hand gloves, anti-dust masks etc.) to all the site personnel

**d) Professional Training:**

All site personnel will under go professional training for skill development in their respective field, from the nearest authorized "Vocational Training Centre" periodically.

**e) Amenities to the site personnel:**

The applicant will provide all basic amenities to the site workers as per labour laws like shelter, food and other welfare facilities.





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

**1. ENVIRONMENT BASE LINE INFORMATION**

<b>Existing Land Use Pattern</b>		The quarry lease applied area is part of the hill lock surrounded by dry agricultural lands & barren lands			
S.No	Details	Existing Land Use (Ha.)	Additional requirement area during the plan period (Ha)	Land use at the end of the plan period (Ha)	Land use at the end of the conceptual period (Ha)
1.	Area under mining	0.000	0.2759	0.2759	1.5141
2	Storage for Top Soil	--	--	--	--
3	Overburden Dump	0.000	0.000	0.000	0.000
4	Mineral Storage	0.000	0.5000	0.5000	0.5000
5	Infrastructure	0.000	0.03	0.03	0.03
6	Roads	1.77	0.00	1.77	1.77
7	Railways	--	--	--	--
8	Green belt	0.000	0.075	0.075	0.075
9	Tailing Pond	--	--	--	--
10	Others	--	--	--	--
<b>SUB-TOTAL</b>		<b>1.77</b>		<b>2.6509</b>	<b>3.8891</b>
Virgin Area		2.46		1.5791	0.3409
<b>Total</b>		<b>4.23</b>		<b>4.23</b>	<b>4.23</b>
ii	<b>Water Regime</b>	The drainage that will be generated from the hills will flow due SW-NE (Plate - I).			
iii	<b>Flora and Fauna</b>	The whole quarry lease applied area is occupied by scattered sparse vegetation of thorny trees and small bushes. In the quarry lease applied area no wild animals are witnessed as per the statements collected from the local population, since 50 years.			
iv	<b>Quality of Air, Ambient Noise Level and Water</b>	<ul style="list-style-type: none"> <li>o Air quality is good but at quarries it is filled with dust, due to haulage on the road, drilling etc.</li> <li>o The noise generated mostly due to vehicular traffic.</li> <li>o Quartz mining will not affect water quality.</li> </ul>			
v	<b>Climatic Conditions</b>	The quarry lease applied area is falling under semi-arid tropical zone. The area is having dry climate. The temperature recorded in this area is 29°C in winter and about 44°C in summer seasons. The wind direction is in SW to NE. The average annual rainfall of the area is 800mm.			



vi

**Human Settlement**

Tummagunta is a Village in Kanigiri Mandal in Prakasam District of Andhra Pradesh State, India. It belongs to Andhra region. It is located 73 KM towards West from District head quarters Ongole. Tummagunta Local Language is Telugu. Tummagunta Village Total population is 1,936 and number of houses are 389. Female Population is 62.35%. Village literacy rate is 45.11% and the Female Literacy rate is %. The list of villages with direction and distance have been listed in below table:

S.No	Name of the village	Direction	Distance	Population
1	Hanumathunipadu	NW	1.4 km	1,896
2	Challagiri Kala	East	2.9 km	3,163
3	Kasipuram	SE	4.2km	1,177
4	Srirangapuram	South	3.0 km	1,244
5	Hazeepuram	NW	4.3 km	2,901

vii

**Public Buildings ,Places & Monuments**

No public buildings, important places and monuments are seen in and around 500 M of the quarry lease applied area. The applicant will adopt the safety measures while conducting the quarry operations as per the Regulations of Metalliferous Mines Regulation 1961.

viii

**Sanctuaries**

No bird or animal sanctuaries are existing in 10 Km radius

ix

**Eco-Sensitive Areas**

No Eco Sensitive are existing in 10 Km radius .

x

**Afforestation**

The applicant proposes for afforestation in the NW of the quarry lease area over an extent of 750 M<sup>2</sup> between the grids N1709093.1209-N1709209.3014 & E333963.2799- E334072.9917 in phased manner during the plan period with Neem plants (Plate - VI).

Year	Area (Sq.m)	No.of Plants
1st Year	150	250
2nd Year	150	200
3rd Year	150	150
4th Year	150	100
5th Year	150	50
<b>Total</b>	<b>750</b>	<b>750</b>



## 2. ENVIRONMENTAL IMPACT ASSESSMENT

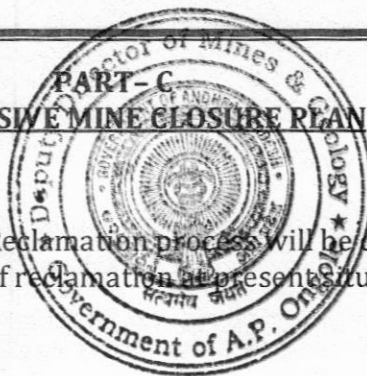
a	Landscape Changes	A large pit of 2.59 M <sup>2</sup> will be formed in the mining leased applied area. The mining will alter the shape of the present hill slope with a large sliced pit.												
b	Air Quality	<p>Air quality is good but at quarries it is filled with dust, due to haulage on the road, blasting etc. but it will be within the permissible limits by sprinkling water on roads and covering the drill rods with cloth. Air quality will not be disturbed, as the Mining is very limited.</p> <table><tr><th>Base Level</th><th>Allowable Level</th></tr><tr><td>SPM = 140µg/m<sup>3</sup></td><td>360µg/m<sup>3</sup></td></tr><tr><td>RSPM = 60µg/m<sup>3</sup></td><td>120µg/m<sup>3</sup></td></tr><tr><td>SO<sub>2</sub> = 40µg/m<sup>3</sup></td><td>80µg/m<sup>3</sup></td></tr><tr><td>NO<sub>2</sub> = 40µg/m<sup>3</sup></td><td>80µg/m<sup>3</sup></td></tr><tr><td>CO = 1.0µg/m<sup>3</sup></td><td>5.0µg/m<sup>3</sup></td></tr></table>	Base Level	Allowable Level	SPM = 140µg/m <sup>3</sup>	360µg/m <sup>3</sup>	RSPM = 60µg/m <sup>3</sup>	120µg/m <sup>3</sup>	SO <sub>2</sub> = 40µg/m <sup>3</sup>	80µg/m <sup>3</sup>	NO <sub>2</sub> = 40µg/m <sup>3</sup>	80µg/m <sup>3</sup>	CO = 1.0µg/m <sup>3</sup>	5.0µg/m <sup>3</sup>
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CO = 1.0µg/m <sup>3</sup>	5.0µg/m <sup>3</sup>													
c	Water Quality	<p>The water environment will not be disturbed as the mine is far off from the water courses.</p> <p>The mining of Quartz has no adverse effect is anticipated on the water regime in the area</p>												
d	Noise Levels	The blasting and the haulage and the drilling of boreholes generate noise. However, the probable noise level will be within the permissible limits and will not cause harm. The applicant will provide suitable protective gear to the workers for minimizing the Noise pollution and the machinery will be well maintained.												
e	Vibration Levels	The vibrations that will be generated due to heavy machinery will be meager												
f	Water Environment	The water environment will not be disturbed as the mine is far off from the water courses.												
g	Acid Mine Drainage	No acids will be generated from Quartz mines												
h	Surface Subsidence	No subsidence is anticipated in this regime as the basement rock is massive and away from the seismic zone												
i	Socio economics	<p>The main occupation of villagers is agriculture and sheep rearing. The commencement of mining activity in this area improved the socio-economic status of the local people by creation of employment and paying taxes to gram panchayath.</p> <p>The mining in this area does not involve any hazardous methods. The applicant is providing First Aid facilities at Mine site</p>												
j	Historical Monuments	No historical monuments exist within 5 Km radius												
k	Bio-Diversity	No impact will happen to the Mankind, Flora and Fauna by the mining operations, excepting minor vibrations due to blasting, sound pollution and dust which will be under control and within the permissible limits.												



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

**3.0 PROGRESSIVE RECLAMATION PLAN**

The quarry lease area is part of hill lock. Reclamation process will be done after the quarrying operations are done, so there is no need of reclamation at present situation

**4.0 MINED OUT LAND**

The mined out pit will be utilized for water recharge structure. The entire area leaving 7.5 M buffer zone will be excavated to a depth of 32 M (Avg) i.e. ultimate pit depth. Land Use Pattern of the mine area during the first 5 years will be as follows:

Area		M <sup>2</sup>	Hectares
Active Mine Area	Broken	Nil	Nil
	To be broken	2,759	0.2759
<b>TOTAL</b>		<b>2,759</b>	<b>0.2759</b>
Waste Dumps	Existing	Nil	Nil
	Soil	Nil	Nil
	Proposed (Outside of lease)	Nil	Nil
Infrastructure (Within the lease)		300	0.03
Stock Yard (Within the lease)		5,000	0.5000
MINING AREA UTILIZED		8,059	0.8059
Non utilized mining area		9,841	0.9841
<b>TOTAL MINING LEASE AREA</b>		<b>17,900</b>	<b>1.790</b>
Safety zone area		6,700	0.67
Approach Road Area		17,700	1.77
<b>Total Quarry Lease Area</b>		<b>42,300</b>	<b>4.23</b>



**Reclamation**

The matured pits will be back filled by re-handing of waste as a reclamation measure and balance of pits will be utilized as water harvesting structure.

**5.0 TOP SOIL MANAGEMENT**

Top soil will be stocked separately for using it in the later stage for forestation and some waste in rocky form will be used for strengthening the approach road.

**5.0 TAILING DAM MANAGEMENT**

Not applicable

**7.0 DISASTER MANAGEMENT AND RISK ASSESSMENT**

To mitigate the emergency, planning is the first & four most thing, i.e. recognizing the accident or possible, assessing the consequences of such possible accidents and deciding on emergency planning / procedures in advance both on site & off site that would necessary to be implemented in the event of emergency without any delay and confusion.

Proper bench design in mines and observing safety measures for transportation, storage, handling of explosives & fuels, etc, good maintenance of vehicles, roads, fire prevention measures shall go in preventing disaster / accidents.

The applicant is committed to identify the possible causes for potential disaster and draw a code of emergency measures and procedures to deal with such disasters, which is otherwise also advised by DGMS through their circulars.

The mine is located at the distance of 3.10 Km from Tummagunta Village 28.5 km from Kanigiri Mandal having good transport and communication systems.

The mine is having good communication like telephone & mobile facility. In case of any minor / major accidents within the mine, the same will be communicated to the Agent by the Mines Manager and intern he will inform to the Revenue Authorities, Police, Fire Department, DGMS etc for action.

A vehicle is kept all the time at the mine site for conveyance.

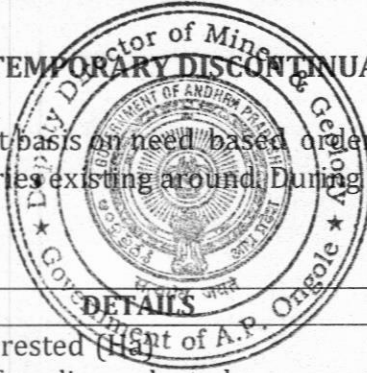
At mine level First Aid will provided and person(s) shall be shifted to nearby hospital at Tummagunta & Kanigiri which is having all basic amenities.





### 8.0 CARE AND MAINTENANCE DURING TEMPORARY DISCONTINUANCE

The mine workers are taken on contract basis on need based orders; the workers always get Employment / Contract in similar quarries existing around. During monsoon these labour are busy with agricultural activities.



ITEM	DETAILS	PROPOSED	ACTUAL
Dump Management	Area afforested (Ha) 1. No. of saplings planted 2. Cumulative no of plants 3. Cost including watch and care during the year	Nil	Nil
Management of worked out benches	1. Area available for rehabilitation (specify) 2. No of saplings planted in theyear 3. Cumulative no of plants 4. Any other method of rehabilitation (specify) 5. Cost including watch and care during the year	Plantation is proposed all along the 7.5 M Buffer Zone and on both sides of the approach roads	-
Reclamation and Rehabilitation by backfilling	1. Void available for backfilling (Lx B x D) pit wise / stope wise Void filled by waste / tailings afforestation on the backfilled area 2. Rehabilitation by making water reservoir 3. Any other means (specify)	The waste will be re-handled to backfill the matured pits in SE	-
Rehabilitation of waste land within lease	1. Area available (Ha) 2. Area rehabilitated 3. Method of rehabilitation	No proposals are made	-



## 9.0 FINANCIAL ASSURANCE

Financial Assurance has amendment under rule of 12(G) of chapter-9 of Model- Form-T vide G.O.ms No.56 dt: 30-04-2016 and stated that the financial assurance can be submitted in the form of a bank guarantee from a nationalized scheduled bank, a minimum amount of financial assurance to be furnished 50,000/- for the quarry Lease granted below 5 Ha & 10,000/- per ha (or) part thereof for the Quarry Lease granted 5 Ha & above.

Therefore the quarry lease Applicant can be paid 50,000/- for Financial Assurances for below 4.23 ha in form of bank guarantee to the ADM, Ch Markapuram accordingly above rules.

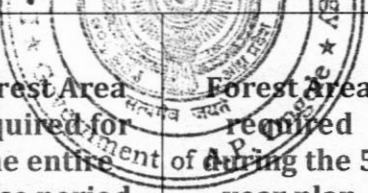
### FOREST APPLIED AREA LAND USE

	S.NO	Particulars of Land Area	Area (Ha)
Forest area to be utilized during entire lease period	1 <sup>st</sup>	Mining Area	1.79
	2 <sup>nd</sup>	Road	1.77
	3 <sup>rd</sup>	Un mined area	--
	4 <sup>th</sup>	Safety Zone area	0.67
		<b>SUB TOTAL</b>	<b>4.23</b>
Forest area proposed to be utilized during end of the plan period(5 years)	1 <sup>st</sup>	Mined out Area	0.8059 (including infrastructure, stock yard)
	2 <sup>nd</sup>	Road	1.77
	3 <sup>rd</sup>	Un mined Area	0.9841
	4 <sup>th</sup>	Safety Zone area	0.67
		<b>Sub Total</b>	<b>4.23</b>
End of the Conceptual Period	1 <sup>st</sup>	Mined out area	1.79
	2 <sup>nd</sup>	Road	1.77
	3 <sup>rd</sup>	Un mined area	--
	4 <sup>th</sup>	Safety Zone area	0.67
		<b>Sub Total</b>	<b>4.23</b>



**10.0 FINANCIAL ASSURANCE PROFORMA**

The details of area put to use and calculations there off for financial assurance are given in the Performa as below:

**DETAILS OF AREA CONSIDERED FOR COMPUTATION OF FINANCIAL ASSURANCE**


S.No.	Head	Forest Area required for the entire lease period (in ha)	Forest Area required during the 5 year plan period (in ha)	Total area remain un utilized during first 5 years	Net area considered for calculation (in Ha.)
1	2	3	4	5	6
1	Area under Mining	1.79	0.2759	1.5141	0.2759
2	Overburden/Dump	-	0	0	0
3	Mineral Storage	-	0.5000	0	0.500
4	Infrastructure	-	0.03	0	0.03
5	Roads	1.77	0	0	1.77
6	Railways	-	-	-	-
6	Green Belt	-	0.075	0	0.075
7	Tailing Pond	-	-	-	-
8	Beneficiation Plant	-	-	-	-
9	Mineral Separation Plant	-	-	-	-
10	Safety Zone Area	0.67	0	0	0.67
<b>SUB TOTAL</b>		<b>4.23</b>	<b>0.8809</b>	<b>1.5141</b>	<b>3.3209</b>



**11.0 CERTIFICATE**

Certified that the above mentioned will be taken care in the Progressive Mine Closure Plan for lease for Quartz over an extent of 4.23 Hectares in Compartment no. 450 of Yerragonda RF, Tummagunta Village, Kanigiri Mandal, Prakasam District, Andhra Pradesh State.

All statutory organizations, courts etc. have been taken into consideration and wherever any specific permission is required, the applicant will approach the concerned authorities.

All the measures proposed in this closure plan will be implemented in a time bound manner as proposed.

**12.0 PLANS & SECTIONS**

The Plans and Sections are enclosed.

**APPLICANT**

*P Babul Reddy*  
M/s Sri Ahobila Narasimha Minerals  
Mg.Partner: Sri P. Babul Reddy

*G Veeraswamy*  
RQP

(Sri Golla Veeraswamy)  
(RQP/DMG/AP/01/2021)

This Mining scheme is Approved Subject to  
the Conditions Stipulations Indicated  
in the Mines Scheme Approval Letter  
No: 1782/MMP/OT2/MRKP/2022  
Dated: 29/7/2022

**APPROVED**

*B. Jagannatha Rao*  
(B. JAGANNATHA RAO)  
Deputy Director of Mines & Geology  
ONGOLE, Prakasam Dist.(A.P.)





# ANNEXURE-I



GOVERNMENT OF ANDHRA PRADESH  
FOREST DEPARTMENT

From  
Sri N. Prateep Kumar, IFS.,  
Pri. Chief Conservator of Forests &  
Head of Forest Force,  
Aranya Bhavan, Andhra Pradesh,  
K.M. Munshi Road, Guntur - 522 004.



Ref.no.EFS02-15029/94/2018-FCA-SEC-PCCF/2, Dated:16.09.2020.

Sir,

Sub APFD - F (C) Act, 1980 - Diversion of 4.72 ha. of forest land in Compartment no.450 of Yerragonda RF, Tummagunta (V) Kanigiri (M) Prakasham District for excavation of Quartz in favour of M/s. Sri Ahobila Narasimha Minerals - Proposal placed before 42<sup>nd</sup> REC meeting held on 14.08.2020 - Additional information - Requested - Reg.

Ref: 1. DMG, A.P., Vijayawada Ir. No. 26389/R3-2/2017, dt. 22.09.2017.  
2. GoI, RO Chennai F.no. F(C)/11.6/REC/ROSEZ/2019/626, Dt.05.08.2020.

\*\*\*

It is informed that, the subject proposal received from the Director of Mines & Geology, A.P., Vijayawada has been processed under Forest (Conservation) Act, 1980 and forwarded to Government of India through Government of Andhra Pradesh for according approval under the Act. Accordingly, the Regional Office, Chennai, Government of India has placed the proposal before the Regional Empowered Committee on 14.08.2020. The committee sought the following information / documents pertaining to the subject project, for further consideration of the proposal by the committee.

- Approved Mining Plan (though it was informed during the meeting by this office that the same will be submitted after forest clearance, the committee has insisted for approved Mining Plan, as being done in similar cases of other States)
- The type of quartz available in the proposed mining area.
- Details of other existing mining leases in the vicinity of the proposed forest area.

Hence, the Director of Mines & Geology is requested to furnish the above information to this office, for taking further action in the matter.

Yours faithfully,  
Sd/- N. Prateep Kumar,  
Pri. Chief Conservator of Forests,  
(Head of Forest Force)

Copy to the Conservator of Forests, Guntur for information and necessary action.  
Copy to the Divisional Forest Officer, Giddalur for information and necessary action.  
Copy to Sri P. Babul Reddy, Mg. Partner, M/s. Sri Ahobila Narasimha Minerals, Kanigiri, Prakasham District for information and necessary action.

//t.c.b.o//

*[Signature]*  
Superintendent





## **ANNEXURE-II**



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

Letter No.26389/R3-2/2017

Dated: 22.09.2017.

From  
B. Sreedhar, I.A.S.,  
Director of Mines and Geology (FAC),  
Sri Anjaneya Towers,  
D.No.7-104, 5<sup>th</sup> & 6<sup>th</sup> Floors,  
B-Block, Ibrahimpatnam,  
Krishna District - 521 456.

Principal Chief  
Conservator of Forests,  
Aranya Bhavan,  
Sankurathi Residency,  
Agathavarapadu,  
Mahatma Gandhi Inner Ring Road,  
Ped Kakani Mandal,  
Guntur - 522 509. A.P.

Sir,

Sub:- Mines and Quarries - Application for grant of Quarry Lease for Quartz over an extent of 4.230 Hectares in Compartment No.450 of Yerragonda R.F., Tummagunta Village, Kanigiri Mandal, Prakasam District filed by M/s. Sri Ahobila Narasimha Minerals, Mg. Partner: P. Babul Reddy - Statutory proformae forwarded - Regarding.

Ref:- 1. Quarry Lease application dt.31.08.2017 filed by M/s. Sri Ahobila Narasimha Minerals.  
2. ADM&G, Markapur File No.2579/Q/2017, dated: 16.09.2017.

-00000-

I invite kind attention to the subject and references cited. Through the reference 1st cited, M/s. Sri Ahobila Narasimha Minerals filed an application for grant of Quarry Lease for Quartz over an extent of 4.230 Hectares in Compartment No.450 of Yerragonda R.F., Tummagunta Village, Kanigiri Range, Kanigiri Mandal, Prakasam District. The said application was received by the Assistant Director of Mines and Geology, Markapur on 04.09.2017.

Through the reference 2<sup>nd</sup> cited, the Assistant Director of Mines and Geology, Markapur furnished Statutory Proformae and requested to forward the same to the Principal Chief Conservator of Forests, Guntur,

In view of the above circumstances, I am herewith forwarding Statutory Proformae received from the Assistant Director of Mines and Geology, Markapur in the reference 2<sup>nd</sup> cited and request to consider the proposals for diversion of Forest Land for quarrying purpose under Section 2 of Forest Conservation Act, 1980 in favour of M/s. Sri Ahobila Narasimha Minerals.

Yours faithfully

Sd/- B. SREEDHAR

DIRECTOR OF MINES AND GEOLOGY (FAC)

Encl:- (As above)

// ATTESTED //

for DIRECTOR OF MINES AND GEOLOGY

Copy to the Assistant Director of Mines and Geology, Markapur.

Copy to M/s. Sri Ahobila Narasimha Minerals,  
Mg. Partner: P. Babul Reddy,  
S/o. P. Konda Reddy, 4-53,  
Takkellapadu Village,  
Kanigiri mandal,  
Prakasam District - 523 230,  
Andhra Pradesh for information.





## **ANNEXURE-III**



GOVERNMENT OF ANDHRA PRADESH  
DEPARTMENT OF MINES & GEOLOGY

From :  
Sri E.Narasimha Reddy, M.Sc.,  
Asst. Director of Mines & Geology,  
Markapuram.



Letter No: 2579/Q/2017 . Dated: 11-11-2017.

Sir,

Sub:- Mining & Quarries – M/s. Sri Ahobila Narasimha Minerals, Mg.Pt. Sri P. Babul Reddy applied for Quarry Lease for Quartz over an extent of 4.23 Hectares in Compartment No. 450 of Yarrgonda RF, Kanigiri Beat, Kanigiri Range, Giddaluru Division, Tummagunta Village, Kanigiri Mandal, Prakasam District – Further report called for – Submitted – Regarding.

- Ref:- 1.Application Dated: 07-09-2017 from M/s. Sri Ahobila Narasimha Minerals.  
2.Lr.No.45921/2001/FCA-4; dt.15.06.2015 from the Principal Chief Conservator of Forests, Aranya Bhavan, Hyderabad.  
3.This office proposal vide: Lr. No .2579 / Q / 2017, Dated:15.09.2017.  
4.Letter No.26389/R3-2/2017, dated 22.09.2017 of the Director of Mines & Geology, Ibrahimpatnam, Vijayawada addressed the Principle Chief Conservator of Forests, Guntur.  
5.Ref.No.12820/2017/FCA.2,dated 03.10.2017 of the Principle Chief Conservator of Forests, Guntur.

\*\*\*\*\*

I invite kind attention to the subject and references cited and submit that, in the reference 5<sup>th</sup> cited the Principle Chief Conservator of Forests, Guntur informed to the Director of Mines & Geology, Ibrahimpatnam, Vijayawada under copy marked to this office that, in the reference 4<sup>th</sup> cited a Quarry Lease proposals were forwarded for grant of lease for extraction of Quartz over an extent of 4.23 Hectares in Compartment No. 450 of Yarrgonda RF, Kanigiri Beat, Kanigiri Range, Giddaluru Division, Tummagunta Village, Kanigiri Mandal; Prakasam District in favour of M/s. Sri Ahobila Narasimha Minerals, Mg.Pt. Sri P. Babul Reddy and further informed whereas, the proposals received are not covered with any required details pertaining to Mines and geology Department for examination of the proposals with respect to the reference 2<sup>nd</sup> cited above. As such all the mining related activities under FC Act, 1980 for private agencies are to be covered with 1 to 8 points information and the submitted proposals are not covered with any required data to take further action.



Hence, requested to furnish the requisite information as per the FC Act, 1980 vide reference 2<sup>nd</sup> cited.

In this regard it is submitted that, the guidelines issued by the Principal Chief Conservator of Forests, Aranya Bhavan, Hyderabad in their Letter No. 12820/2017/FCA-2, dt.03.10.2017 has been verified and submitting the following lines against each guideline in respect of the subject application.

POINT-1

It is submitted that the available Quartz mineral deposit in the subject area is high quality one and A-Grade Deposit. There is a lot of demand for A-Grade Quartz which is not available sufficiently outside forest area. The quartz present is of glassy variety, and finds uses in glass, semiconductor industry and ferroalloy industries.

POINT-2

The Proposed area for Mining/Quarrying is located adjoining boundary of the Forest. However Revenue area also available for the afforestation, plantation of the adjoining of the Forest area. The sketch submitted by the user agency.

POINT- 3

In this office Jurisdiction there are 57 Quarry leases for Quartz. Out of 57 Quarry leases for Quartz, 22 Quarry leases have been working and average annual production from the mines is 400 MT/Month which is A-Grade Quartz mineral.

POINT- 4

The present applicant is proposal for fresh Grant.

POINT- 5

It is submitted that the user agency has furnished an under taking letter to identify the site for waste rock and over burden dumping in the non-forest area available outside the quarry lease area beyond the forest boundary at the time of working\*by the user agencies.

POINT- 6

It is submitted that, the cluster EC and other issues will be pursued by the user agency / applicant. There is only one lease proposal and cluster is not applicable.



## POINT- 7

It is submitted that, as informed by the Director of Forests, the subject proposed area for quarrying does not fall within the notified area of any National Park / Wild Life Sanctuary / Eco-sensitive Zone. Hence, forwarding the proposals to sanctuary authorities does not arise in this case.



## POINT- 8

It is submitted that, subsequent to the Amendment of MM(DR) Act vide Act No.3 of 2015 of MM(DR) Amendment Act, 2015, the Government of India vide GSR No. 423(E), dated 10.02.2015 issued notification and declared 31 Major Minerals including Quartz as Minor Minerals. As such the grant of leases for Quartz is in accordance with APMMC Rules, 1966, GCD Rules, 1999. However, the Quarry Lease for Quartz in the subject area is also in accordance with the Provisions of FC Act, 1980 as the subject area falls in RF area.

Further submit that, on the present applied area, the present application is one and sole and there are no other applications are received by this office and pending as on date.

Hence, the nine sets of statutory proformas along with Form-P as submitted by the applicant over the subject area and copies of references cited are submitted to the Director of Mines and Geology, Ibrahimpatnam, Vijayawada with a request to forward the same to the Principal Chief Conservator of Forests, Andhra Pradesh, Hyderabad for taking further action at their end in accordance with the instructions of the Government and also subject to the satisfaction of A.P.M.M.C. Rules, 1966, G.C.D.R, 1999, forest (Conservation) Act, 1980 and latest amendments thereon.

Further it is submitted that, in the subject applied area the present application from M/s. Sri Ahobila Narasimha Minerals, is one and sole applicant. In view of this, the area can be recommended in favour of M/s. Sri Ahobila Narasimha Minerals, Mg.Pt. Sri P. Babul Reddy to the Principal Chief Conservator of Forest, Guntur for taking further necessary action.

Yours faithfully

Encl: As above.

E. Narasimha Reddy  
Asst. Director of Mines & Geology,  
Markapur.

Copy submitted to the Principle Chief Conservator of Forests, Sankurathri Towers, Agathavarappadu Guntur for favour of Information.





## **ANNEXURE-IV**



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

From

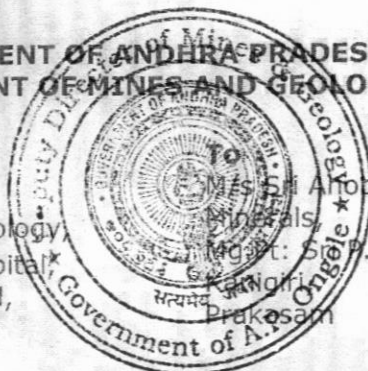
E.Narasimha Reddy, M.Sc.

Deputy Director of Mines and Geology,

Block No's 58&59, Old RIMS Hospital,

Opp: Collector Office, Trunk Road,

Ongole, Prakasam district.



To: M/s Sri Ahobila Narasmiha

Minerals,

Agst: S. P. Babul Reddy,

Kanigiri,

Prakasam

**Letter No. 7163/MP/Quartz/MRKP/2021, dated: 31.07.2021**

Sir,

Sub:-Mines & Minerals - Quarry Lease applied area of M/s Sri Ahobila Narasimha Minerals, for Quartz, over an extent of Hects 4.23 in Compartment No. 450 of yerragonda R.F, Tummagunta Village, Kanigiri Mandal Prakasam District - Mining Plan - Approved - Regarding.

- Ref:-
1. Govt.Memo 7674/M.II(1)/2014, Ind& Com. Department, dated. 03.02.2016.
  2. Proceeding.No.28594/P.RQP/01,dt: 13.05.2016 of the Director of Mines and Geology, Ibrahimpatnam.
  3. Notice No. 26389/D9/2017, dated 19.07.2021 of the Director of Mines and Geology, Ibrahimpatnam.
  4. Letter received from M/s Sri Ahobila Narasmiha Minerals on 16.11.2020.
  5. Inspection Report of this office Technical Staff on 07.12.20
  6. This office Letter No.7163/MP/Quartz/MRKP/2021, dt: 23.07.2021
  7. Letter dated 31.07.2021 along with 6 sets of fair Mining Plan from the Lessee / RQP.

\*\*\*

In exercise of the powers conferred by the Director of Mines and Geology, Hyderabad, through the reference 2<sup>nd</sup> cited and keeping in view of the Notice issued by the Director of Mines and Geology vide reference 3<sup>rd</sup> cited, I hereby approve the Mining Plan, in respect of Quarry Lease applied area of M/s Sri Ahobila Narasmiha Minerals for Quartz, over an extent of Hects 4.23 in Compartment No. 450 of yerragonda R.F, Tummagunta Village, Kanigiri Mandal Prakasam District, under Rule 7A of Andhra Pradesh Minor Mineral Concession Rules, 1966 read with G.O.Ms.No.56, Industries & Commerce (Mines-II) Department, dated:30.04.2016. This approval is subject to the following conditions.

1. The proposals contained in the approved mining plan including Progressive Mine closer 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.
2. This Mining Plan is approved without prejudice to any other laws applicable to the Quarry Lease area from time to time whether made by the Central Government, State Government or any other authority.

Contd...2



Pollution

//2//

3. 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) Act, 1957 and amended act 2015 and the Mineral Concession Rules 1960 (Amended Rules 2016) and any other laws including the Forest Conservation Act, 1980.
4. The Mining Plan is approved subject to strictly adhering to the Relevant Regulations of MMR 1961 and obtaining prior permission from Director General Mines Safety whenever and where ever it is required.
5. The approval authority does not owe the responsibility with regard to Assessment of the reserves, erroneous certification made by the R.Q.P. if any and approval is tentative, subject to Modification on new findings at a later date as per the provisions of (23 B & 23 D) of MCDR, 1988, since the evaluation is done on random basis.
6. 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.

Encl: Approved Mining Plan.

Yours faithfully,

*E. Narasimhan Reddy*  
Deputy Director of Mines & Geology,  
Ongole.

Copy submitted to the Director of Mines and Geology, Ibrahimpatnam along with A.M.P.

Copy submitted to the Pri. Chief Conservator of Forests & Head of Forest Force, Aranya Bhavan, A.P, K.M Munshi Road, Guntur for information.

Copy submitted to the Member of Secretary, Andhra Pradesh Pollution Control Board, Visakhapatnam along with AMP for information.

Copy to Sri P.V Satyanarayana, RQP, lattice, Bommasain Sadhan, 2<sup>nd</sup> floor, near one center, Gollapudi, Vijayawada- 521 225 for information.

Copy submitted to the Regional Controller of Mines, IBM, Sultan Bazar, Hyderabad along with A.M.P.

Copy submitted to the Director of Mines Safety, Gruhakalpa (Block-2), Nampally, Hyderabad for favour of information.

Copy to the Asst. Director of Mines and Geology, Markapur along with A.M.P.





# **ANNEXURE-V**



**GOVERNMENT OF ANDHRA PRADESH  
FOREST DEPARTMENT**

From  
Sri.G.Satish., S.F.S.,  
Divisional Forest Officer,  
GIDDALUR - 523 357



**Rc.No.642/2013/TA, Dt.07.04.2022**

Sir,

Sub:- APFD - Forest (Conservation) Act, 1980. Diversion of 4.72 Ha of Forest Land in Compt.No.450 of Yerrakonda RF, Tummagunta (Village), Kanigiri (Mandala) (District) for excavation of Quartz in favour of M/s Sri Ahobila Narasimha Mineral - Approved Mining Plan called for - Permission for conducting re-Survey restricting the area to 4.23 Ha accorded to conduct DGPS Survey in the Forest Area - DGPS Maps submitted for its verification and authentication - Reg.

- Ref:- 1. PCCF, A.P., Guntur Rc.No.EFS02-15029/94/2018-FCA SEC-PCCF/FCA-3, Dt.11.03.2022.  
2. CCF, Guntur Rc.No.3667/2017/TO, Dt.16.03.2022.  
3. This Office Rc.No.642/2013/TA, Dt.25.03.2022.  
4. FRO, Kanigiri Rc.No.73/2017/KNG, Dt.04.04.2022 through Sub-DFO, Ongole Rc.No.Nil Dt.06.04.2022.

&&&

In obedience to the references 1<sup>st</sup> and 2<sup>nd</sup> cited, it is submitted that the Forest Range Officer, Kanigiri has submitted a report vide reference 4<sup>th</sup> cited stating that the user agency has conducted the DGPS Survey in the presence of Kanigiri Range staff on 26.03.2022 and the total area arrived mining area is 4.23 Ha (Mining area 1.79 Ha, Safety Zone area 0.67 Ha and Road area 1.77 Ha).

Further, it is submitted that the Forest Range Officer, Kanigiri has inspected the above location on 28.03.2022 along with the concerned section staff and verified the DGPS Surveyed maps submitted by the user agency and found to be correct. Further, it is submitted that the total arrived mining area is 4.23 Ha (Mining area 1.79 Ha, Safety Zone area 0.67 Ha and Road area 1.77 Ha). Further, he has verified the DGPS Surveyed maps with reference to Gazette Notification of Yerrakonda RF and found to be correct and the applied mining area is falling in Compt.No.450, Yerrakonda RF, Kanigiri Range.

Further, it is submitted that the following point wise information is submitted hereunder.



Received: 05/03/2019; Accepted: 15/03/2019; Published: 20/03/2019



S Survey maps submitted by  
the concerned staff and user ag  
s are enclosed herewith for  
tested to address a letter  
address Pradip Kumar Ghosh for i  
Government of A.P. Omgc

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the concerned staff and user ag  
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ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

6-7-2017 5:10 PM  
 Sold to: Sri Ahobila Narasimha Minerals Thakellapadu  
 For Whom: Rep by its managing partner, P. Babul Reddy  
 S/o P. Konda Reddy, Thakellapadu.

BN 2699  
 J. RAJAGOPAL  
 L.No.0917004/1969  
 RA.No.0917012/2017-19  
 Padmavathi Center, 4th Flr  
 Cell No.5709658637

### Undertaking

I Sri.P.Babul Reddy S/o P.Konda Reddy Mg. Partner: M/s Sri Ahobila Narasimha Minerals, Aged 37 Years, Resident of Thakellapadu (Village), Kanigiri (Mandal), Prakasam (District) do hereby giving this undertaking to the Forest Range Officer, Kanigiri that I will abide the following terms and conditions during DGPS Survey as per the instructions of the Divisional Forest Officer, Giddalur vide reference No.642/2013/TA, Dt.25.03.2022.

1. This Survey shall not involve any clearing of Forest or cutting of trees and operations are restricted to clearing of bushes and lopping of tree branches for purpose of sighting.
2. The user agency (i.e., Sri.P.Babul Reddy M/s Sri Ahobila Narasimha Minerals) shall not cause any violation to the provisions of Forest (Conservation), Act, 1980 and A.P. Forest Act, 1967.
3. This permission for DGPS Survey of the Forest Land proposed shall not confer any right on the user agency (i.e., Sri.P.Babul Reddy M/s Sri Ahobila Narasimha Minerals,) for Diversion of the said land for any purpose. To this extent the Forest Range Officer, Kanigiri shall obtain undertaking from the user agency, before allowing for DGPS Survey.
4. Survey shall be conducted on both the sides for the linear projects.
5. Further in case of any violation occurred in future regarding to the ownerships of Mining Lease and overlapping with other mining leases or any reasons etc. I will be held responsible and forego my rights as prescribed by the Forest Department in the interest of Forest Protection.

*P. Babul Reddy*  
 (P.BABUL REDDY)  
 Mg.Partner: Sri Ahobila  
 Narasimha Minerals

NOTARIAL





# **ANNEXURE-VI**



GOVERNMENT OF ANDHRA PRADESH  
DEPARTMENT OF MINES AND GEOLOGY, TIRAHIMPATNAM

Memo No.26389/D9/2017

Dt: 27.06.2022

Sub: M&Q- Proposals for grant of Quarry Lease for Quartz an extent of 4.23 Hects of Forest Land in Compt.No.450 of Yerragonda R.F. Thummagunta Village, Kanigiri Mandal, Prakasam District in favour of M/s Sri Ahobilla Narasimha Minerals, Mg.Prt. Sri P. Babul Reddy - Revised DGPS data submitted for verification and authentication - Verification report forwarded - Reg.

- Ref: 1. Q.L. application dt: 31.08.2017 filed by M/s Sri Ahobilla Narasimha Minerals, Mg.Prt. Sri P. Babul Reddy.  
2. Lr.No.7163/MP/Quartz/MRKP/2021, dt: 31.07.2021 from the Asst. Director of Mines and Geology, Markapuramu.  
3. DM&G, Lr. No. 26389/R3-2/2017, dated 22.09.2017.  
4. Rc.No.EFS02-15029/94/2018-FCA-SEC-PCCF/FCA-3, dated 13.05.2022 from the Prl.Chief Conservator of Forest & Head of Forest Force, A.P.

\*\*\*\*\*

The attention of DDM&G, Ongole is drawn to the subject and reference cited. It is informed that the Prl.Chief Conservator of Forest & Head of Forest Foresee Force, A.P. has forwarded the verification report on the revised DGPS data in connection twith Diversion of 4.23 ha forest land In Compt. No. 450 of Yerragonda RF, Tummagunta (V) Kanigiri mandal, Prakasam to the Division Forest Officer, Giddalur and the same copy forwarded to this office stating that for authenticated DGPS survey sketch of proposed forest area with Geo-Coordinates duly indicting land use plan for mining, safety zone, approach roads along with map for favour of information and necessary action in the matter.

In view of the above a copy of the reference cited is forwarded to the DDM&G, Ongole to take further necessary action.

Encl: As above

Sd/-W.B.CHANDRASEKHAR,  
For DIRECTOR OF MINES AND GEOLOGY

To

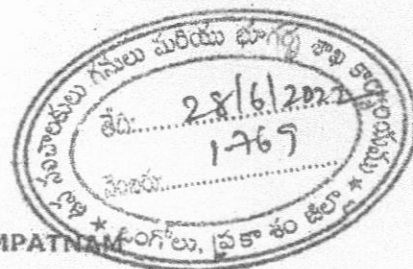
The Deputy Director of Mines &amp; Geology, Ongole.

Copy to Asst. Director of Mines and Geology, Markapuramu.

// F.C.F.B.O //

B.A. Reddy

SUPERINTENDENT



R.I.  
Pl. Verify and put off  
28/6/2022



File No.EFS02-15029/94/2018-FCA SEC-PCCF

GOVERNMENT OF ANDHRA PRADESH  
FOREST DEPARTMENT

Rc.no. EFS02-15029/94/2018-  
PCCF/FCA-3,  
Dated:13/05/2022



Office of the Prl. Chief Conservator of  
Forests &  
Head of Forest Force, Andhra  
Pradesh,  
Guntur -522004.

Sri N. Prateep Kumar, I.F.S.,  
Prl. Chief Conservator of Forests &  
Head of Forest Force

Suo APFD F(C)Act, 1980 - Diversion of 4.23 ha forest land in  
Compartmentno.450 of Yerragonda RF, Tummagunta (V) Kanigiri (M)  
Prakasham District for excavation of Quartz in favour of M/s. Sri Ahobila  
Narasimha Minerals - Revised DGPS data submitted for verification and  
authentication- Verification report forwarded - Reg.

Ref Chief Conservator of Forests , Guntur Rc. no. 3667/2017-TO, dated:  
11.04 2022

It is informed that, the revised DGPS survey raw data and maps received in  
the reference cited for verification and authentication for the subject proposal  
has been verified, authenticated and the remarks is as follows.

Name of the Proposal	Area assessed(in ha)	Safety Zone peripheral range (in m.)	Remarks
Diversion of 4.23 ha forest land in Compartmentno.450 of Yerragonda RF, Tummagunta (V) Kanigiri (M) Prakasham District for excavation of Quartz in favour of M/s. Sri Ahobila Narasimha Minerals	4.23 (i.e. 1.79 ha for mining area + 0.67 ha for Safety Zone area + 1.77 ha for Road area)	7.53 to 8.16	The points i.e. R-1 to R-4, L-1 to L-4, R-7 to R-20 and L-8 to L-20 falls outside the RF area as per the available GIS layers. The same needs to be verified in the field with Gazette notification of the RF block. The width of the safety zone may also be verified.



File No.EFS02-15029/94/2018-FCA SEC-PCCF

The authenticated maps of the diversion land along with KML file is sent herewith.

In this regard, the Divisional Forest Officer, Giddalur is requested to verify the same with Gazettee notification of the RF block of the area proposed for diversion and release the authenticated maps to the User Agency duly signing on the maps. Further ₹9,000/- (i.e. ₹3,000/- for mining area + ₹3,000/- for Safety Zone Area + ₹3,000/- for Road area) shall be collected by way of Demand Draft in f/o Forest Utilization Officer, Andhra Pradesh, Guntur towards user charges for supply of the authenticated map and furnish the same to Forest Utilization Officer, Office of the PCCF & HoFF, Andhra Pradesh, Guntur under intimation to this office.

Encl: As above

Anand Kumar Jha  
for Prl. Chief Conservator of Forests &  
Head of Forest Force

To

The Divisional Forest Officer, Giddalur.

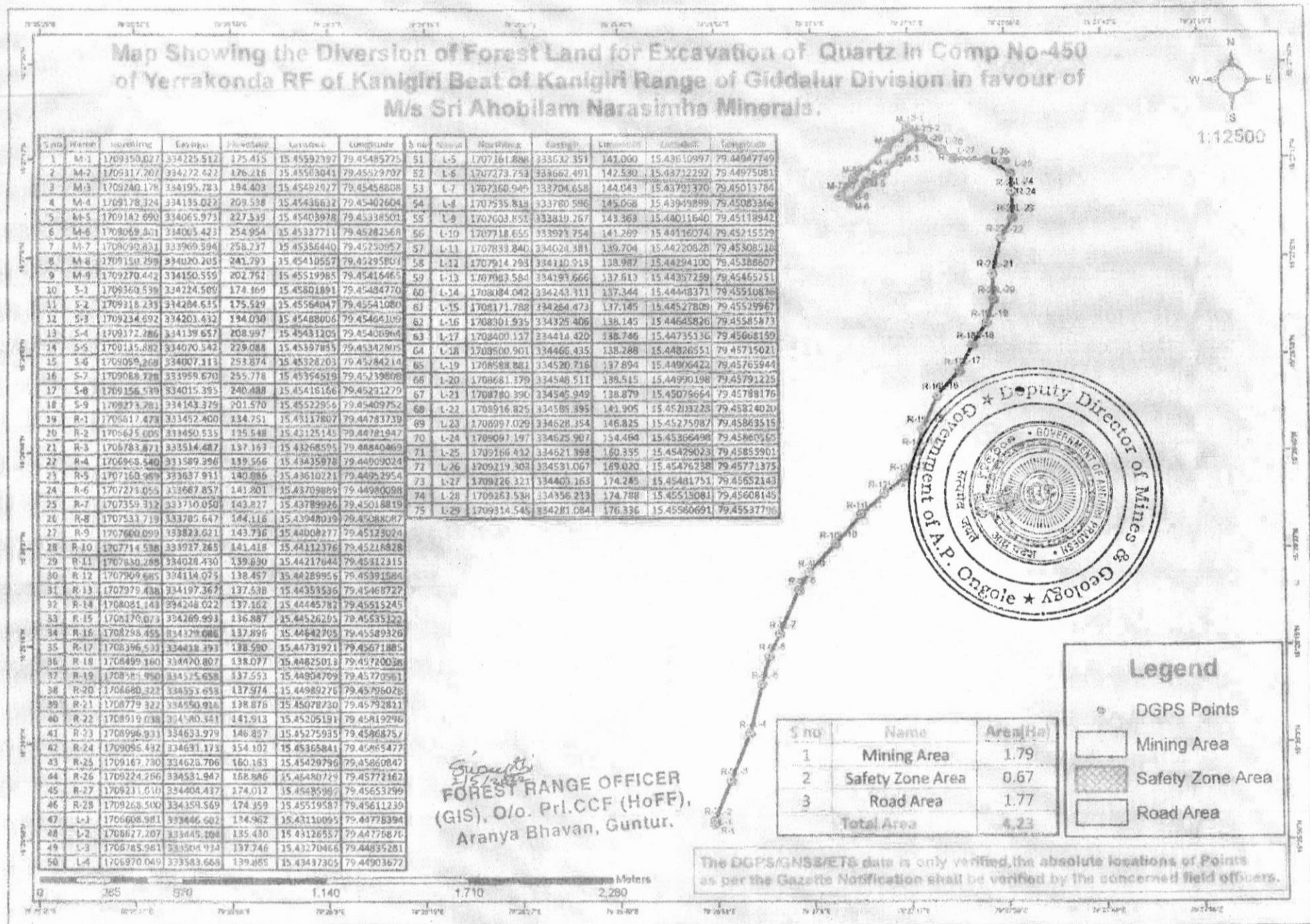
Copy to the Chief Conservator of Forests, Guntur Circle, Guntur for information.

Copy to Sri P. Babul Reddy, Mg. Partner, M/s. Sri Ahobila Narasimha Minerals, Kanigiri, Prakasham District for information and necessary action. It is requested to pay an amount of ₹9,000/- (i.e. ₹3,000/- for mining area + ₹3,000/- for SZA + ₹3,000/- for Road area) by way of Demand Draft in f/o Forest Utilization Officer, Andhra Pradesh, Guntur towards user charges for supply of authenticated maps.

Copy to the Director of Mines and Geology, A.P, Ibrahimpatnam. The authenticated DGPS surveyed sketch of proposed forest area with Geo-coordinates duly indicating land use plan for mining, safety zone, approach road is sent herewith for information and necessary action.

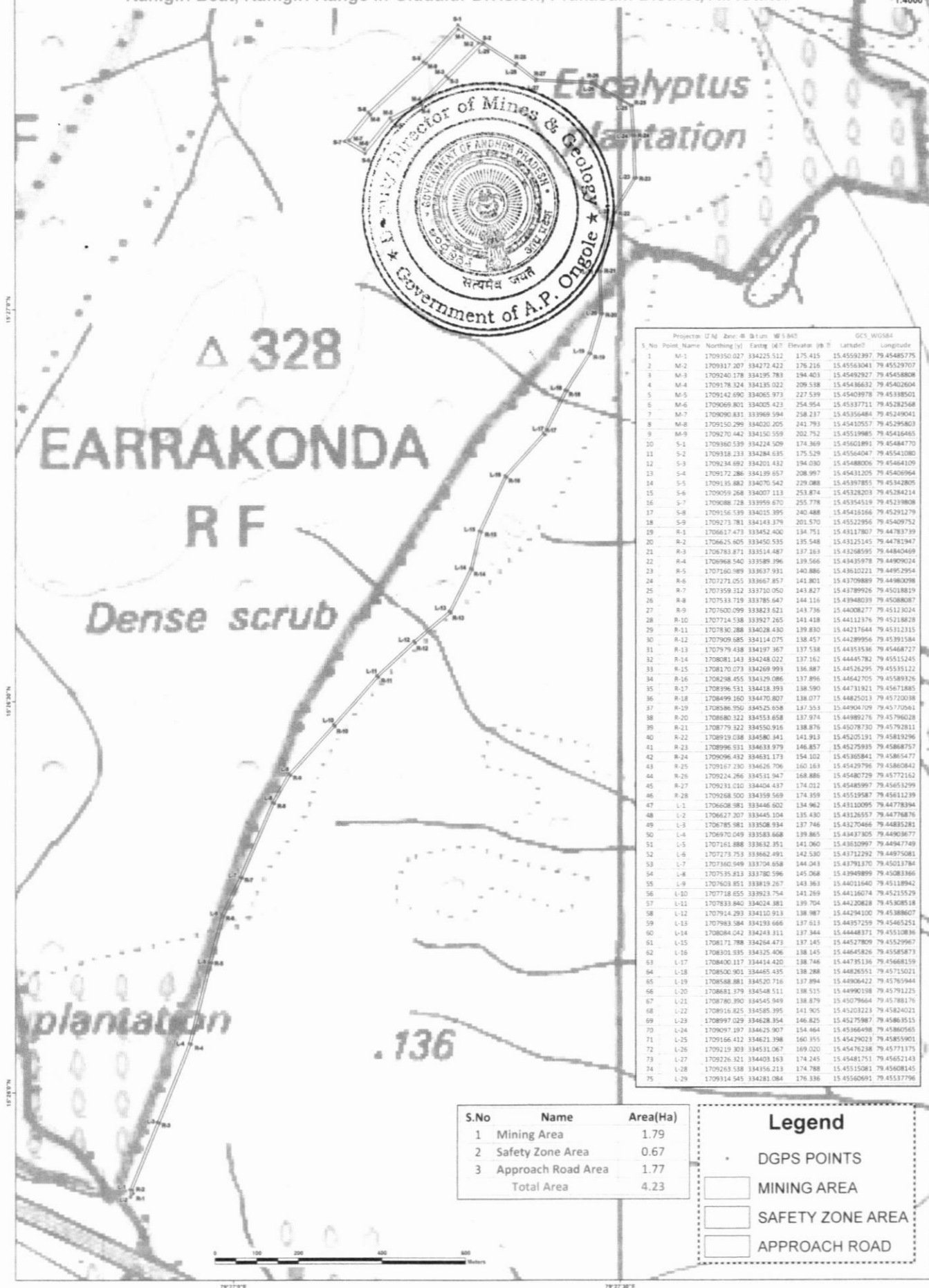
Copy to the Forest Utilization Officer, Office of the Prl. Chief Conservator of Forests & Head of Forest Force, Andhra Pradesh, Guntur for information.







22/FCA-PCCF GPS Surveyed Proposed Quarry Lease for Quartz over an extent of 4.23 Ha  
In favour of M/s Sri Ahobila Narasimha Minerals in Compartment No:450 of Yerrakonda RF,  
Kanigiri Beat, Kanigiri Range in Giddalur Division, Prakasam District, A.P.State.





**DGPS Survey & Mapping of Proposed Quarry Lease for Quartz over an extent of 4.23 Ha  
In favour of M/s Sri Ahobilam Narasimha Minerals in Compartment No:450 of Yerrakonda RF,  
Kanigiri Beat, Kanigiri Range in Giddalur Division, Prakasam District, A.P.State.**

N  
1:4000



S. No	Point Name	Northing (y)	Eastng (x)	Elevation (m)	Latitude	Longitude
1	M-1	1709150.027	334225.512	175.415	15.45592997	79.45485775
2	M-2	1709117.207	334272.422	176.216	15.45564041	79.45529707
3	M-3	1709240.178	334195.783	194.403	15.45492927	79.45458808
4	M-4	1709178.324	334135.022	209.538	15.45436632	79.45402604
5	M-5	1709142.690	334065.973	227.539	15.45403978	79.45338501
6	M-6	1709069.801	334005.423	254.954	15.45377711	79.45282568
7	M-7	1709090.831	333969.594	258.237	15.45356484	79.45249041
8	M-8	1709150.299	334020.205	241.793	15.45410557	79.45299803
9	M-9	1709270.442	334150.559	202.752	15.45519985	79.45414485
10	S-1	1709340.539	334224.509	174.369	15.45603891	79.45484770
11	S-2	1709118.233	334284.635	175.529	15.45564047	79.45541080
12	S-3	1709234.692	334201.432	194.030	15.45488006	79.45464109
13	S-4	1709172.286	334139.657	208.997	15.45411205	79.45406964
14	S-5	1709135.882	334070.542	229.088	15.45397855	79.45342805
15	S-6	1709059.268	334007.113	253.874	15.45328203	79.45284214
16	S-7	1709088.728	333959.670	255.778	15.45354519	79.45239808
17	S-8	1709156.139	334015.395	240.488	15.45416166	79.45291279
18	S-9	1709273.781	334141.379	201.570	15.45521954	79.45409752
19	R-1	1706617.473	333452.400	134.751	15.43117807	79.44783739
20	R-2	1706625.605	333450.535	135.548	15.43125145	79.44781947
21	R-3	1706783.871	333514.487	137.163	15.43268595	79.44804069
22	R-4	1706968.540	333589.396	139.566	15.43415978	79.44909024
23	R-5	1707160.989	333617.931	140.886	15.43610221	79.44952954
24	R-6	1707271.055	333667.857	141.801	15.43709889	79.44980208
25	R-7	1707159.112	333710.050	143.827	15.43789952	79.45018819
26	R-8	1707533.719	333785.547	144.116	15.43948039	79.45080807
27	R-9	1707600.099	333823.621	143.736	15.44008277	79.45123024
28	R-10	1707714.538	333927.265	141.418	15.44112376	79.45218828
29	R-11	1707830.288	334028.430	139.830	15.44217644	79.45312315
30	R-12	1707909.685	334114.075	138.457	15.44289956	79.45391584
31	R-13	1707979.438	334197.367	137.538	15.44353536	79.45468727
32	R-14	1708081.143	334248.022	137.162	15.44445782	79.45515145
33	R-15	1708170.073	334269.993	136.887	15.44523295	79.45551222
34	R-16	1708298.455	334329.086	137.896	15.44642705	79.45589326
35	R-17	1708396.531	334418.393	138.590	15.44719121	79.45671885
36	R-18	1708499.160	334470.807	138.077	15.44825013	79.45720038
37	R-19	1708586.950	334525.658	137.553	15.44904709	79.45770561
38	R-20	1708680.122	334553.658	137.974	15.44989276	79.45796028
39	R-21	1708779.122	334550.916	138.876	15.45078782	79.45792811
40	R-22	1708919.038	334586.341	141.913	15.45205191	79.45819296
41	R-23	1708996.931	334633.979	146.857	15.45275935	79.45868757
42	R-24	1709096.432	334631.173	154.102	15.45365841	79.45885477
43	R-25	1709167.230	334626.706	160.163	15.45429796	79.45880842
44	R-26	1709224.266	334531.947	168.886	15.45480729	79.45772162
45	R-27	1709231.010	334404.437	174.012	15.45485997	79.45653299
46	R-28	1709268.100	334359.568	174.359	15.45519587	79.45611239
47	L-1	1706608.981	333446.602	134.962	15.43110099	79.44778394
48	L-2	1706627.207	333445.104	135.330	15.43121857	79.44778876
49	L-3	1706785.881	333508.934	137.746	15.43270466	79.44835281
50	L-4	1706970.049	333583.668	139.865	15.43437305	79.44903677
51	L-5	1707161.888	333632.351	141.060	15.43610997	79.44947749
52	L-6	1707273.753	333662.491	142.530	15.43712292	79.44975081
53	L-7	1707360.949	333704.658	144.043	15.43791370	79.45013784
54	L-8	1707535.813	333780.596	145.068	15.43949899	79.45081366
55	L-9	1707603.851	333819.267	143.363	15.44011040	79.45118942
56	L-10	1707718.655	333923.754	141.269	15.44118074	79.45215129
57	L-11	1707833.840	334024.381	139.704	15.44212028	79.45308518
58	L-12	1707914.293	334110.913	138.987	15.44294100	79.45388607
59	L-13	1707983.584	334193.666	137.613	15.44357259	79.45465251
60	L-14	1708084.042	334243.311	137.344	15.44448371	79.45510836
61	L-15	1708171.788	334264.473	137.145	15.44527809	79.45529967
62	L-16	1708301.935	334325.406	138.145	15.44645826	79.45585873
63	L-17	1708400.417	334414.420	138.746	15.44718318	79.45668159
64	L-18	1708500.901	334465.435	138.288	15.44826551	79.45715021
65	L-19	1708588.881	334520.716	137.894	15.44906422	79.45765944
66	L-20	1708681.379	334548.511	138.515	15.44990198	79.45791225
67	L-21	1708780.990	334545.949	138.879	15.45079664	79.45788176
68	L-22	1708916.825	334585.395	141.905	15.45203223	79.45824021
69	L-23	1708997.029	334628.354	146.825	15.45275987	79.45863515
70	L-24	1709097.197	334625.907	154.464	15.45366498	79.45860565
71	L-25	1709146.412	334621.388	160.355	15.45420021	79.45855901
72	L-26	1709219.803	334531.067	169.020	15.45476238	79.45771375
73	L-27	1709226.121	334403.163	174.245	15.45481751	79.45652143
74	L-28	1709263.538	334356.213	174.788	15.45515081	79.45608145
75	L-29	1709314.545	334281.084	176.336	15.45560691	79.45537796

S.No	Name	Area(Ha)
1	Mining Area	1.79
2	Safety Zone Area	0.67
3	Approach Road Area	1.77
Total Area		4.23

### Legend

- \* DGPS POINTS
- MINING AREA
- SAFETY ZONE AREA
- APPROACH ROAD

0 100 200 300 400 500 Meters





# **ANNEXURE-VII**





ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

ప్రమాణం... 24.02.2022... 03.06.2022

100.00

CS 791793

10.00

కొల్లూరి కుమార్ :

Pothu Babul Reddy S/o. Pothu Konda Reddy, Takeellapadu

చేతికొను : 100

పాలము కొలు అగ్రిమెంటు

తే: 24-7-2021 న

తీసుకున్నవారు: ప్రకాశం జిల్లా, కనిగిరి మం, తక్కువపాడు గ్రామ నివాసం పోతు కొండారెడ్డి కుమారుడు  
బాబులెడ్డి (వయస్సు 34, ఆధార్ నెం. 319383974894) (ఆహోబిల నరసింహ మినరల్స్)  
గారికి

ఇచ్చినవారు: ప్రకాశం జిల్లా, కనిగిరి మం, తుమ్మకుంట పంచాయితీ మరియు గ్రామ నివాసం ఇండ్లా  
ఓబయ్య కుమారుడు శ్రీనివాసులు (వయస్సు 48, ఆధార్ నెం. 677447973438) గారు వ్రాయించి  
ఇచ్చిన కొలు అగ్రిమెంటు.

ఇందుకు సాక్షులు :

1. N వెంకటేశ్వర్లు
2. Ch. Maheshwari Reddy

ఇండ్లా తుమ్మకుంట



నాకు లోగడ కనిగిరి మండల అధికారివారి ద్వారా పట్టా పొంది నా స్వాధీనానుభవములో ఉండే ఈ క్రింది షెడ్యూలు దాఖలా స్థిరాస్తి కోరుమెట్ట సర్వే నెం. 189/1 రు.య. 2.00 సెంటులు గల భూమిని నా కుటుంబ అవసరముల నిమిత్తము నేను కౌలుకు ఇవ్వదలచుకొనగా అందుకు నేను సమ్మతించి నీవు కౌలుకు కోరినందున ఒక కౌలు అగ్రిమెంటు పై నెంబరు గల భూమిని మధ్యావర్తులు చెప్పి తీర్మానించిన మేరకు యకరానికి సంవత్సరము 1కి రూ. 1,000/- (అక్షరములా వెయ్యి రుపాయలు) కౌలు చెల్లించు లాగున ఈ రోజు నుండి 5 సంవత్సరములు (అనగా 24-7-2026 వరకు) నీకు లీజుకు ఇచ్చి షెడ్యూలు దాఖలా స్థిరాస్తిని ఈ రోజుననే నీ స్వాధీన పరచితిని గనుక ఈ దినము నేను నీకు అగ్రిమెంటు ద్వారా స్వాధీనపరచుచున్నాను. గనుక ఈ రోజు నుండి పై నెంబరుగల భూమికి నేనే సంపూర్ణ హక్కుదారులయ్యి ఉన్నాను. యావత్తు ఖర్చులన్నియు నీవే భరించుకోవలయును నాకు ఏలాటి సంబంధము లేదు ఇందును గురించి ఇరువురము ఏలాటి పేచీలు పెట్టకూడదు. సమయము తదుపరి ఏలాటి నోటీసుతో నిమిత్తము లేకుండా నా భూమిని నాకు స్వాధీనము చేయవలెను. ఇది నా సమ్మతిన కనిగిరి గ్రామంలో వ్రాయించి ఇచ్చిన జామాయిల్ చెట్ల లీజు అగ్రిమెంటు

షెడ్యూలు : ప్రకాశం కనిగిరి మం, తుమ్మగుంట పంచాయితీ మరియు గ్రామంలో కోరుమెట్ట సర్వే నెం.189/1 రు.య. 2.00 వ్యస్తి భూమికి హద్దులు

తూర్పు	:	దారి
దక్షిణము	:	గాయం బాబు వగైరాలు
పడమర	:	పోరంబోకు భూమి
ఉత్తరము	:	మాసిపోగు దానియేలు భూమి

ఇందుకు సాక్షులు :

1. N వెంకటేశ్వర
2. Ch. m. Lakshmi

గృహస్థుల సంతకం

నా వల్ల తయారు కాబడి కంప్యూటరు కాబడినది.



7/25/2021

mee seva

మీ సేవ

AP21 01882953

ఆంధ్ర ప్రదేశ్ ప్రభుత్వము, రెవెన్యూ శాఖ, భూమి రికార్డుల  
కంప్యూటరీకరణ

పట్టాదారుని అధికారులు/సహజీ కాపీ  
Government of A.P.

Application No:



ADL012147471678

Date : 25/07/2021

జిల్లా : ప్రకాశం  
మండలము : కనిగిరి

గ్రామము : తుమ్మగుంట  
విస్తీర్ణము యూనిట్లు : Acres/cents

ఫసలి సం. : 1431

వరుస సం.	సర్వే నంబరు మరియు సబ్- డివిజన్ నంబరు	మొత్తం విస్తీర్ణము	సా.ప.రాని/ సా.ప.వచ్చు విస్తీర్ణము	భూమి స్వభావము / శిస్తు	భూమి వివరణ / జలా ధారము	ఆయకట్టు విస్తీర్ణము	ఖాతా నంబరు	పట్టాదారు పేరు (తండ్రి/భర్త పేరు)	అనుభవదారు పేరు తండ్రి/భర్త పేరు)	అనుభవ విస్తీర్ణము / అనుభవ స్వభావము
1	2	3	4/5	6/7	8/9	10	11	12	13	14/15
1	189-1	2.0000	0.0000 2.0000	ప్రభుత్వ భూమి 1.4400	మెట్ట లేదు	0.0000	283	ఇండ్ల శ్రీనివాసులు ఓబయ్య	ఇండ్ల శ్రీనివాసులు ఓబయ్య	2.0000 అసైన్మెంట్

Certified By

Name: V.PULLA RAO  
Designation: TAHSILDAR  
Mandal: కనిగిరి

Verified by VENKATESWARLU KAVETI

Note : This is Digitally Signed Certificate, does not require physical signature. And this certificate can be verified at <http://www.ap.meeseva.gov.in/> by furnishing the application number mentioned in the Certificate.

Print

**Note:** This is a Digitally Signed Certificate, does not require physical signature and this certificate can be verified at  
by furnishing the application number mentioned in the Certificate.



7/25/2021



ఆంధ్ర ప్రదేశ్ ప్రభుత్వము, రెవెన్యూశాఖ, భూమి రికార్డుల మీ సేవ  
కంప్యూటరీకరణ

భూమి యజమాన్యపు హక్కుల రికార్డు ప్రకారము (1-బి) నమూనా (ROR)

AP21

01882987

ROR012151782828

Date : 25/07/2021

జిల్లా : ప్రకాశం

గ్రామము : తుమ్మగుంట

మండలము : కనిగిరి

విస్తీర్ణము యూనిట్లు : ఎ.గుం./ఎ.సెం.

వరుస నం.	పట్టాదారు పేరు	(తండ్రి/భర్త పేరు)	ఖాతా నంబరు	సర్వే నంబరు మరియు సబ్-డివిజన్	భూమి వివరణ	మొత్తం విస్తీర్ణము	పట్టాదారుకు ఏ విధముగా సంక్రమించింది/ సాగుచేసారు
1	2	3	4	5	6	7	8
1	ఇండ్ల శ్రీనివాసులు	ఓబయ్య	283	327-1	మెట్ట	3.0600	డి పట్టా
2				189-1	మెట్ట	2.0000	డి పట్టా

Certified By

Name: V.PULLA RAO  
Designation: TAHSILDAR  
Mandal: కనిగిరి

Verified by T AJAYA KUMAR

**Note :** This is Digitally Signed Certificate, does not require physical signature. And this certificate can be verified at <http://www.ap.meeseva.gov.in/> by furnishing the application number mentioned in the Certificate.

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Home

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**Note:** This is a Digitally Signed Certificate, does not require physical signature and this certificate can be verified at  
by furnishing the application number mentioned in the Certificate.





# **ANNEXURE-VIII**




**Italab Private Limited**
**INDUSTRIAL TESTING & ANALYTICAL LABORATORIES**  
 Branch off: Lotus Court, 3rd Floor, New 338, Old 165, Thambu Chetty Street, Chennai - 600 001.  
 Tel: +91 44 2535 9479, 4203 7626, 2535 9480 • E-mail: chennai@italabs.in  
 • Web: www.italabs.in

**CERTIFICATE OF ANALYSIS**

 Sample Not  
 Drawn By ITALAB

**1. Particulars of Sample Submitted**

Certificate No. : 207758



Certificate Date : 4/11/2017

**Client Name** : SRI AHOBILA NARASIMHA MINERALS  
 Managing Partner P. BABULREDDY  
 TAKKLAPADU VILLAGE KANCHALAVARIPALI  
 POST, KANIGIRI MANDAL  
 523230 PRAKASAM  
 AP IN

**Client Master No** : C010706

**Quantity Received** : 1 Kg

**Packing** : POLYTHENE COVER

**Sample Name** : QUARTZ  
**Letter Ref. No.** : S.R.S.DT. 30.10.187  
**Sample Receive Date** : 30/10/2017  
**Marks** :

**2. Result of Analysis :**

Parameter Name	Result	Unit
Loss on ignition	0.12	%
Silica as SiO <sub>2</sub>	99.82	%
Aluminium Oxide as Al <sub>2</sub> O <sub>3</sub>	Traces	
Titanium Dioxide as TiO <sub>2</sub>	Nil	
Manganese Oxide as MnO	Nil	
Calcium Oxide as CaO	Nil	
Magnesium Oxide as MgO	Nil	
Sodium Oxide as Na <sub>2</sub> O	0.001	%
Potassium Oxide as K <sub>2</sub> O	0.002	%
Iron Oxide as Fe <sub>2</sub> O <sub>3</sub>	0.0004	%
Electrical Conductivity	8.0	micromhos/cm

----- END OF REPORT -----

Test Carried Out By :

V. BATHRI NARAYANAN

For Italab Private Limited

  
 Authorised Signatory

Page 1 of 1

 Regd. Off. : Meher House, 6th Floor, 15, Cawasji Patel Street, Fort, Mumbai - 400 001. (India) | Mktg. Div. : 204, 2nd Floor, Sahyog Bldg., S.V. Road, Kandivali (West), Mumbai - 400 067.  
 Corp. Off. : Pharmed House, 5th Flr., 141, Walchand Hirachand Marg, Fort, Mumbai - 400 001. | Kolkata : Mercantile Building, 10, Lal Bazaar Street, Kolkata - 700001.

Collection Centres : Ahmedabad, Bangalore, Hyderabad, New Delhi, Jamnagar, Jaipur.

A Subsidiary of 3A Capital Services Ltd.

Sr.No.: C 025278





# **ANNEXURE-IX**





भारत सरकार  
GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE  
CHANGE

Green House Complex, Gopal Reddy Road  
Vijayawada - 520010, Andhra Pradesh  
email: [iro.vijayawada-mefcc@gov.in](mailto:iro.vijayawada-mefcc@gov.in)



FN No 4-APB103/2020-CHN/80  
Date 4<sup>th</sup> October, 2021

To,

Sri Ahobilam Narasimha Minerals  
4-53, Takkellapadu Village, Kanigiri Mandal,  
Prakasam District, Andhra Pradesh- 523230  
[p.babulreddy@gmail.com](mailto:p.babulreddy@gmail.com)

**Subject: Diversion of 4.72 ha forest land in Compt No 450 of Yerragonda RF, Tummagunta (V), Kanigiri (M), Prakasham District for excavation of quartz in f/o Sri Ahobila Narasimha Minerals-reg**

**Ref: Department of Mines and Geology, Govt of Andhra Pradesh letter No 7163/MP/Quartz/MRKP/2021 dated 31.07.2021**

Sir,

With reference to the subject and reference, it is to inform that, upon examination of the approved mining plan submitted, it is revealed that the mining plan approved by the Department of Mines and Geology, Govt of Andhra Pradesh is for an **extent of 4.23 ha only as against the 4.72 ha** as proposed and recommended by the State Government for diversion of forest area under FCA, 1980 and also component wise breakup mentioned in the approved mining plan **differs** with the component wise breakup mentioned in the subject proposal submitted under FCA, 1980.

In view of the above, it is requested re-examine and submit correct mining plan addressing the differences in the break up of land for an extent of 4.72 ha through the State Forest Department to this office for further consideration of the proposal.

Encl: As above

Yours faithfully,

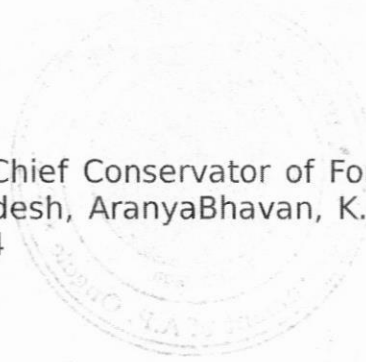
**(N.S.Murali)**

Inspector General of Forests (Central)



Copy to:-

1. The Principal Chief Conservator of Forests, Forests Department, Govt. of Andhra Pradesh, AranyaBhavan, K.M. Munshi Road, Nagarampalem Guntur-522004



**(N.S.Murali)**  
Inspector General of Forests (Central)





# ANNEXURE-X



GOOGLE IMAGE SHOWING OF THE PROPOSED LEASE AREA.

B.P No.	LATITUDE	LONGITUDE
S1	N 15.45601891	E 79.45484770
S2	N 15.45564047	E 79.45541080
S3	N 15.45488006	E 79.45464109
S4	E 79.45464109	E 79.45406964
S5	N 15.45397855	E 79.45342805
S6	N 15.45328203	E 79.45284214
S7	N 15.45354519	E 79.45239808
S8	N 15.45416166	E 79.45291279
S9	N 15.45522956	E 79.45409752

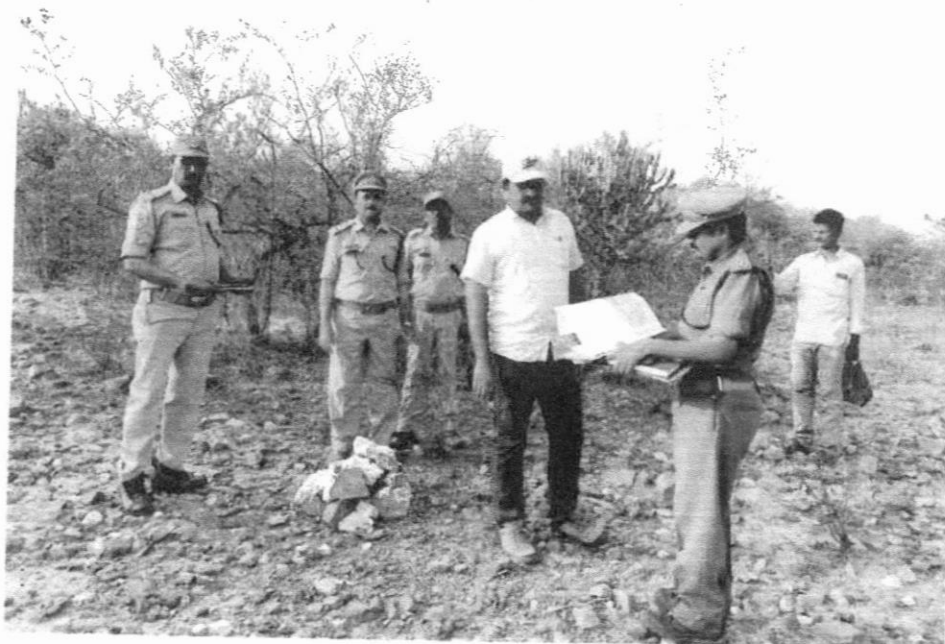




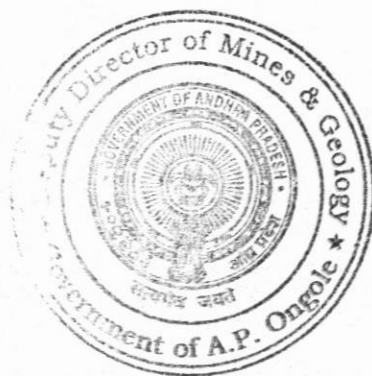
# **ANNEXURE-XI**



6204483/2022/FCA -PCCF

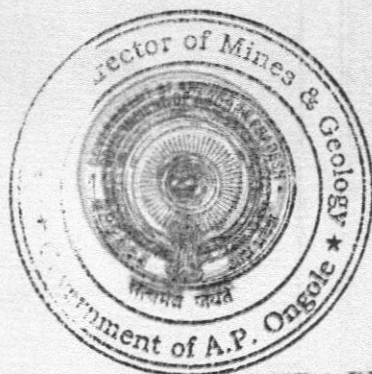






## **ANNEXURE-XII**





GOVERNMENT OF ANDHRA PRADESH  
DEPARTMENT OF MINES AND GEOLOGY

CERTIFICATE OF REGISTRATION  
AS QUALIFIED PERSON TO PREPARE MINING PLAN

*[Under Rule 14(2) of Granite Conservation and Development Rules 1999]*

\*\*\*\*\*

**Sri Golla Veeraswamy**, S/o, Sri G.Gunnaiah, H.No:3-25, Eguva Chavalli (Village & Post), Pellakur(M ), Nellore (Dist) – 524129, Andhra Pradesh. Whose photograph is affixed herein above, having given evidence of his qualification and experience is hereby granted recognition under rule 14(3) of Granite Conservation & Development Rules, 1999 as Qualified Person to prepare Mining Plans/ Schemes.

Registration Number is :

**RQP/DMG/AP/01/2021**

This Recognition is valid for a period of 10 years with effect from 28.04.2021 and valid upto 27.04.2031.

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

Place: Ibrahimpatnam

Date :28.04.2021.

Director of Mines & Geology

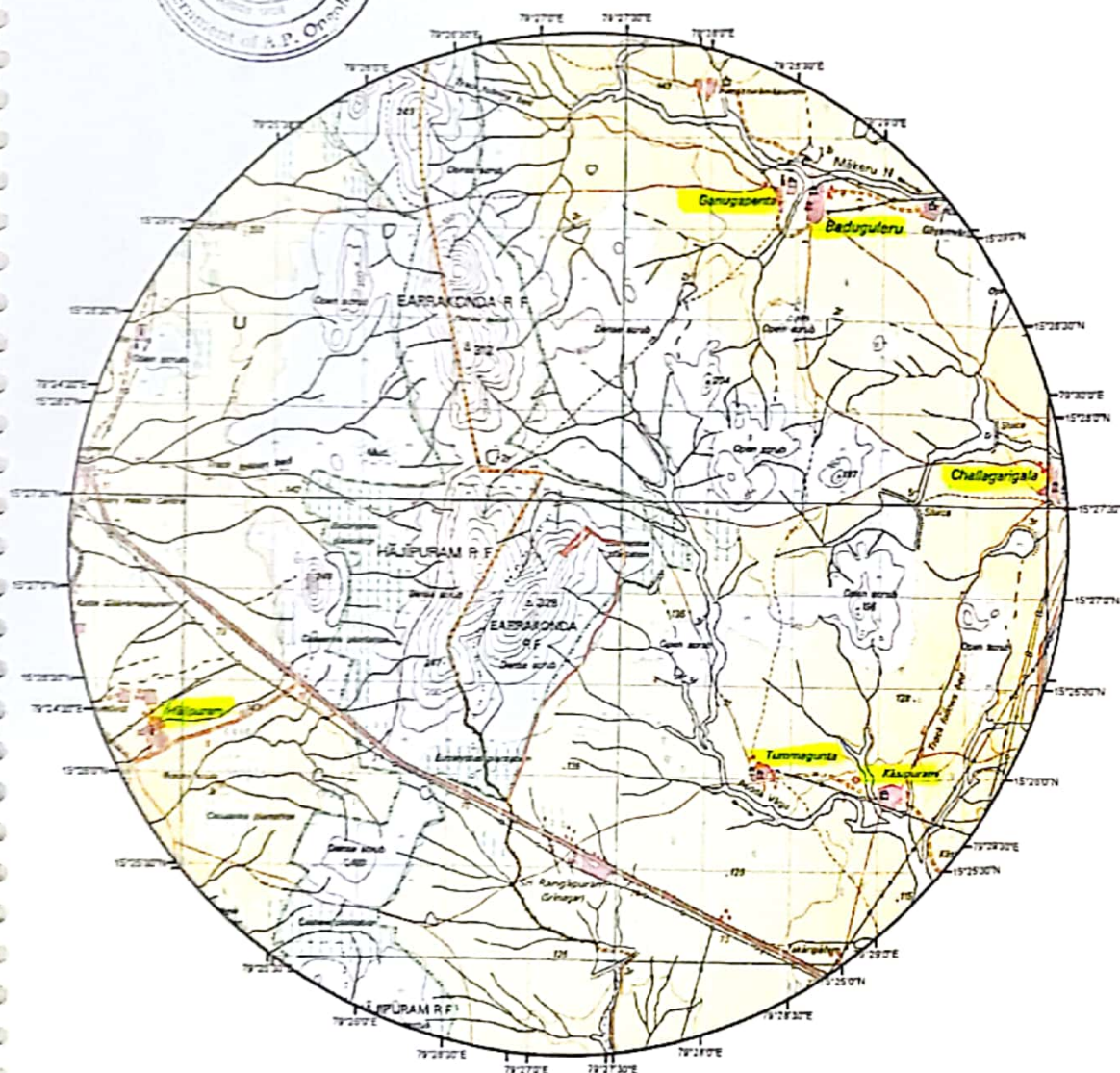
Director of Mines and Geology  
Govt. of Andhra Pradesh  
Ibrahimpatnam, Vijayawada.  
Krishna District





# PLATES





# PLATE - I KEY CUM LOCATION MAP

FOR  
Quartz over an extent of 4.23 Ha in Forest land in Compartment No. 450 of  
Yerragonda R.F., Tummagunta Village, Kanigiri Mandal,  
Prakasam District, in Andhra Pradesh State.  
Part of Toposheet No. 57MU07 Scale 1: 50,000

B.P No	LATITUDE	LONGITUDE
S1	N 15.45601891	E 79.45484770
S2	N 15.45564047	E 79.45541080
S3	N 15.45488006	E 79.45464109
S4	N 15.45431205	E 79.45406964
S5	N 15.45397855	E 79.45342805
S6	N 15.45328203	E 79.45284214
S7	N 15.45354519	E 79.45239308
S8	N 15.45416166	E 79.45291279
S9	N 15.45522956	E 79.45409752
M1	N 15.45592397	E 79.45485775
M2	N 15.45563041	E 79.45529707
M3	N 15.45492927	E 79.45458808
M4	N 15.45436632	E 79.45402604
M5	N 15.45403978	E 79.45338501
M6	N 15.45337711	E 79.45282568
M7	N 15.45356484	E 79.45249041
M8	N 15.45410557	E 79.45295803
M9	N 15.45519985	E 79.45416465

## MAP DATUM : WGS - 84

Position Format	hddd - mm - ss.s
Map Datum	WGS - 84
Units	Metric
North Reference	True North
Variance	001° W
Angle	Degrees

## LEGEND

STREAM	FOREST AREA	METAL ROAD
TANK	HILLS	LOCATION OF AREA
RIVER	ROAD	VILLAGE

P Babul Reddy

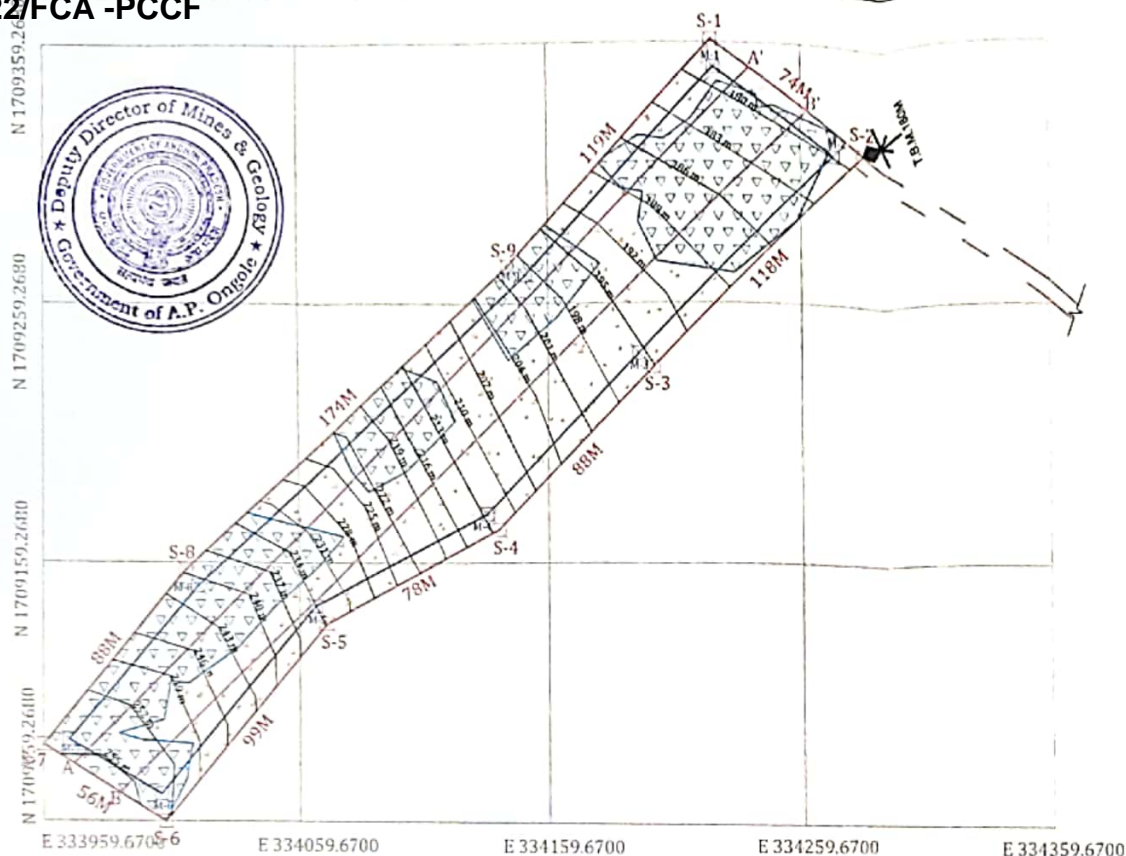
APPLICANT

M/S Sri Ahobila Narasimha Minerals,  
Mr. Partner: Sri P. Babul Reddy

Sri Golla Veeraswamy  
RQP

Sri Golla Veeraswamy  
(RQP/DMG/AP/01/2021)














DGPS-COORDINATES (UTM ZONE-44Q, WGS-84 DATUM)		
S.No	Latitude	Longitude
S-1	N15.45601891	E79.45484770
S-2	N15.45564047	E79.45541080
S-3	N15.45488006	E79.45464109
S-4	N15.45431205	E79.45406964
S-5	N15.45397855	E79.45342805
S-6	N15.45328203	E79.45284214
S-7	N15.45354519	E79.45239808
S-8	N15.45416166	E79.45291279
S-9	N15.45522956	E79.45409752
M-1	N15.45592397	E79.45485775
M-2	N15.45563041	E79.45529707
M-3	N15.45492921	E79.45458808
M-4	N15.45436632	E79.45402604
M-5	N15.45403978	E79.45338501
M-6	N15.45337711	E79.45282568
M-7	N15.45356484	E79.45249041
M-8	N15.45410557	E79.45295803
M-9	N15.45519985	E79.45416465



## INDEX

- |   |                       |
|---|-----------------------|
|  | Lease Area Boundary   |
|  | 7.5M Buffer Zone      |
|  | Bench Mark (B.M.180M) |
|  | Dimension Line        |
|  | O.B./Top soil         |
|  | Quartz                |
|  | Cross Sections        |
|  | Contours              |
|  | Road Area             |

P. Babul Reddy  
APPLICANT

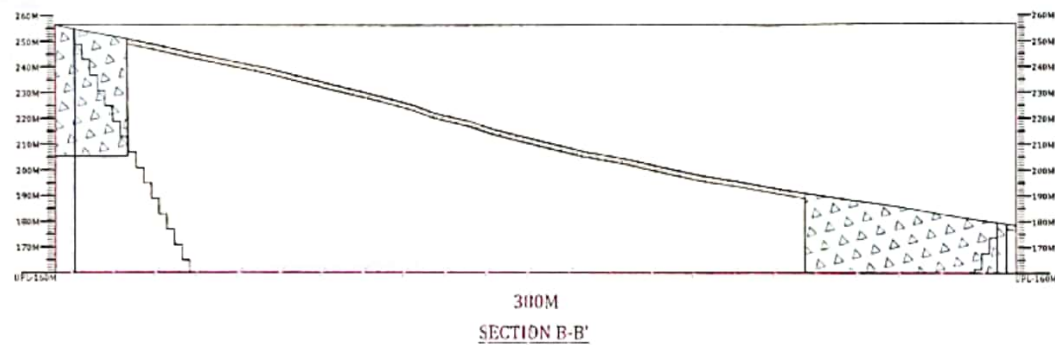
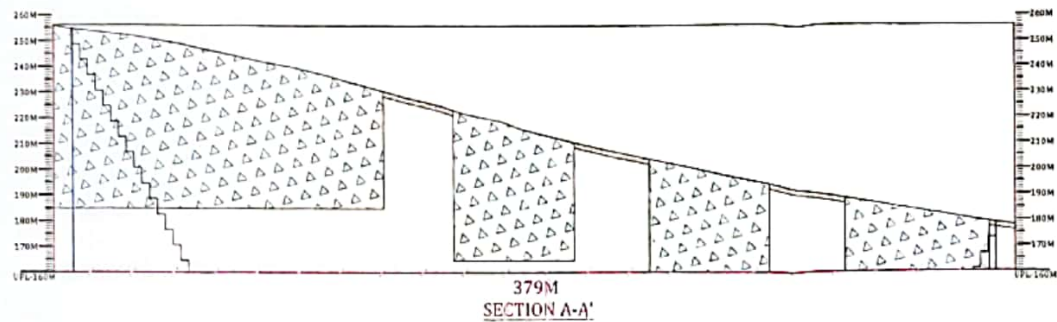
G. V. Srinivasan  
R.O.P.

PLATE-III








SNO	NAME	AREA(Ha.)
1	Mining Area	1.79
2	Safety Zone Area	0.67
3	Road Area	1.77
Total Area		4.23

MODIFIED MINING PLAN FOR QUARTZ	
Over An Extent of 4.23Ha, In Compartment No. 450 of Yerragonda R.F., Tummagunta Village, Kanigiri Mandal, Prakasam District, Andhra Pradesh State	
SURFACE CUM GEOLOGICAL PLAN	
Applicant : M/s Sri Ahobila Narasimha Mineral, Mg.P: Sri P. Babul Reddy	
Contour: 3M	Scale: 1:2,000





### INDEX

-  Lease Area Boundary
-  7.5M Buffer Zone
-  O.B./Top soil
-  Quartz
-  Dimension Line
-  Cross Sections
-  Safety Benches



P. Babul Reddy  
APPLICANT

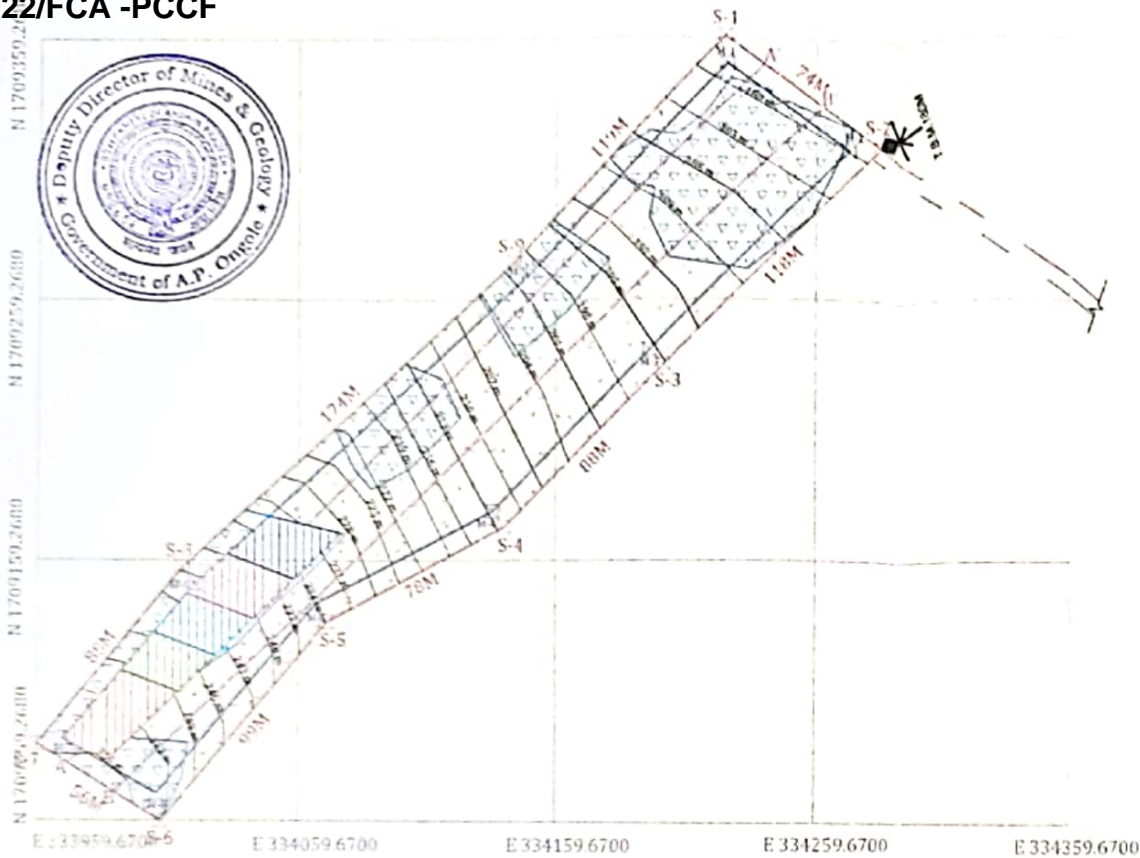
G. Veerabablu  
R.Q.P

PLATE-IV

MODIFIED MINING PLAN FOR QUARTZ	
Over An Extent of 4.23Ha, In Compartment No. 450 of Yerragonda R.F., Tummagunta Village, Kanigiri Mandal, Prakasam District, Andhra Pradesh State	
GEOLOGICAL CROSS SECTIONS	
Applicant: M/s Sri Ahobila Narasimha Mineral, Mg.P: Sri P. Babul Reddy	
Contour: 3M	Scale: 1:2,000



6204483/2022/FCA -PCCF



DGPS-COORDINATES (UTM ZONE-44Q, WGS-84 DATUM)		
S.No	Latitude	Longitude
S-1	N15.45601891	E79.45484770
S-2	N15.45564047	E79.45541080
S-3	N15.45488006	E79.45464109
S-4	N15.45431205	E79.45406964
S-5	N15.45397855	E79.45342805
S-6	N15.45328203	E79.45284214
S-7	N15.45354519	E79.45239808
S-8	N15.45416166	E79.45291279
S-9	N15.45522956	E79.45409752
M-1	N15.45592397	E79.45485775
M-2	N15.45563041	E79.45529707
M-3	N15.45492927	E79.45458808
M-4	N15.45436632	E79.45402604
M-5	N15.45403978	E79.45338501
M-6	N15.45337711	E79.45282568
M-7	N15.45356484	E79.45249041
M-8	N15.45410557	E79.45295803
M-9	N15.45519985	E79.45416465

## INDEX

	Lease Area Boundary		1st Year Mine Layout Area
	7.5M Buffer Zone		2nd Year Mine Layout Area
	Bench Mark (B.M.180M)		3rd Year Mine Layout Area
	Dimension Line		4th Year Mine Layout Area
	O.B./Top soil		5th Year Mine Layout Area
	Quartz		
	Cross Sections		
	Contours		
	Road Area		

P. Babul Reddy  
APPLICANT

G. Venkateswamy  
R.Q.P.

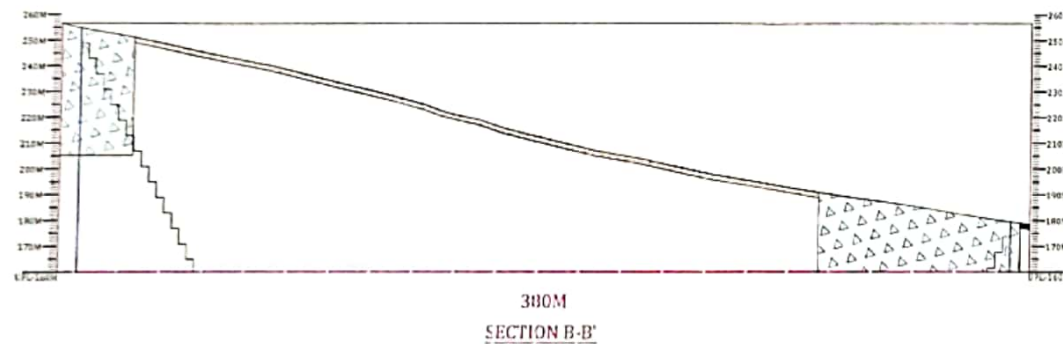
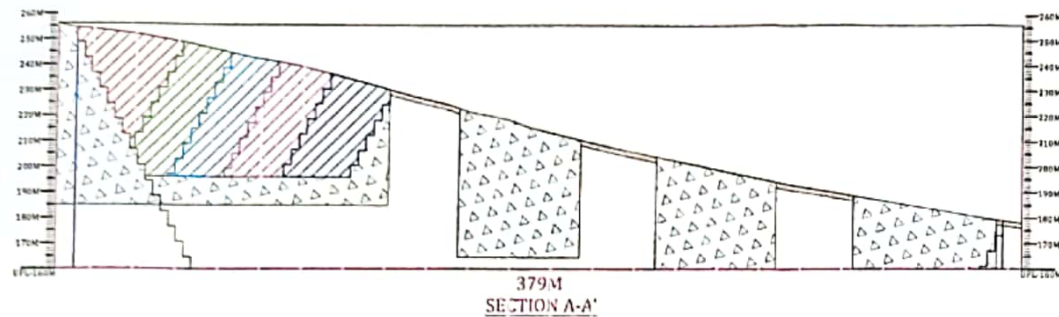
PLATE-V

S.NO	NAME	AREA(Ha.)
1	Mining Area	1.79
2	Safety Zone Area	0.67
3	Road Area	1.77
	Total Area	4.23

MODIFIED MINING PLAN FOR QUARTZ	
Over An Extent of 4.23Ha, In Compartment No. 450 of Yerragonda R.F., Tummagunta Village, Kanigiri Mandal, Prakasam District, Andhra Pradesh State	
WORKING PLAN	
Applicant: M/s Sri Ahobila Narasimha Mineral, Mg.P: Sri P. Babul Reddy	
Contour: 3M	Scale: 1:2,000



6204483/2022/FCA -PCCF



### INDEX

	Lease Area Boundary		1st Year Mine Layout Area
	7.5M Buffer Zone		2nd Year Mine Layout Area
	O.B./Top soil		3rd Year Mine Layout Area
	Quartz		4th Year Mine Layout Area
	Dimension Line		5th Year Mine Layout Area
	Cross Sections		
	Safety Benches		

P. Babul Reddy  
APPLICANT

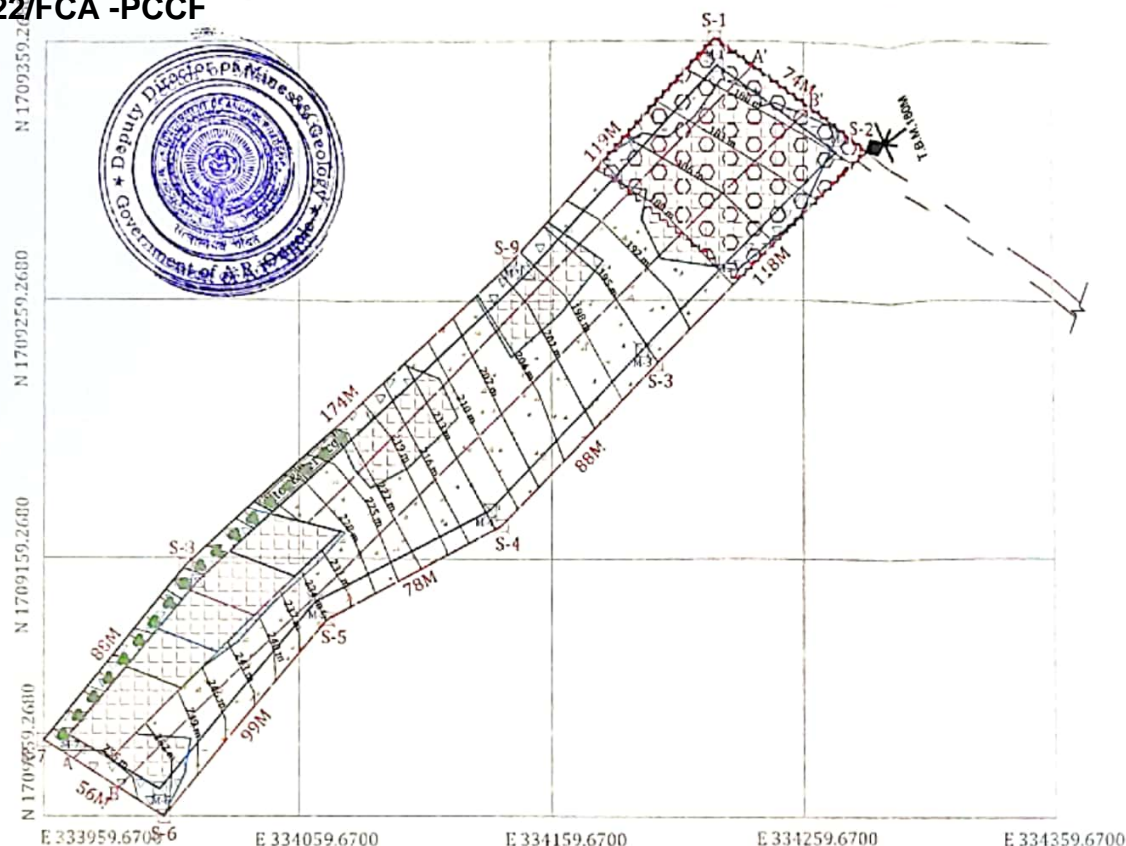
G. Veerabhadram  
R.Q.P.

PLATE-VI

MODIFIED MINING PLAN FOR QUARTZ	
Over An Extent of 4.23Ha, In Compartment No. 450 of Yerragonda R.F., Tummagunta Village, Kanigiri Mandal, Prakasam District, Andhra Pradesh State	
WORKING CROSS SECTIONS	
Applicant : M/s Sri Ahobila Narasimha Mineral, Mg.P: Sri P. Babul Reddy	
Contour: 3M	Scale: 1:2,000



6204483/2022/FCA -PCCF



DGPS-COORDINATES (UTM ZONE-44Q, WGS-84 DATUM)		
S.No	Latitude	Longitude
S-1	N15.45601891	E79.45484770
S-2	N15.45564047	E79.45541080
S-3	N15.45488006	E79.45464109
S-4	N15.45431205	E79.45406964
S-5	N15.45397855	E79.45342805
S-6	N15.45328203	E79.45284214
S-7	N15.45354519	E79.45239808
S-8	N15.45416166	E79.45291279
S-9	N15.45522956	E79.45409752
M-1	N15.45592397	E79.45485775
M-2	N15.45563041	E79.45529707
M-3	N15.45492927	E79.45458808
M-4	N15.45436632	E79.45402604
M-5	N15.45403978	E79.45338501
M-6	N15.45337711	E79.45282568
M-7	N15.45356484	E79.45249041
M-8	N15.45410557	E79.45295803
M-9	N15.45519985	E79.45416465

## INDEX

	Lease Area Boundary		Mined Out Area
	7.5M Buffer Zone		Conceptual Period
	Bench Mark (B.M.180M)		Proposed Plantation
	Dimension Line		Stock Yard
	O.B./Top soil		Proposed Fencing Around the Stock Yard
	Quartz		
	Cross Sections		
	Contours		
	Road Area		

P. Babul Reddy  
APPLICANT

G. Veesa Swamy  
R.Q.P

PLATE-VII

## MODIFIED MINING PLAN FOR QUARTZ

Over An Extent of 4.23Ha,  
In Compartment No. 450 of  
Yerragonda R.F., Tummagunta Village,  
Kanigiri Mandal, Prakasam District,  
Andhra Pradesh State

## CONCEPTUAL PLAN

Applicant : M/s Sri Ahobila Narasimha Mineral,  
Mg.P: Sri P. Babul Reddy










Contour: 3M

Scale: 1:2,000

S.NO	NAME	AREA(Ha.)
1	Mining Area	1.79
2	Safety Zone Area	0.67
3	Road Area	1.77
	Total Area	4.23





- |   |                     |   |                   |
|---|---------------------|---|-------------------|
|  | Lease Area Boundary |  | Mined Out Area    |
|  | 7.5M Buffer Zone    |  | Conceptual Period |
|  | O.B./Top soil       |   |                   |
|  | Quartz              |   |                   |
|  | Dimension Line      |   |                   |
|  | Cross Sections      |   |                   |
|  | Safety Benches      |   |                   |

P. Babul Reddy  
APPLICANT

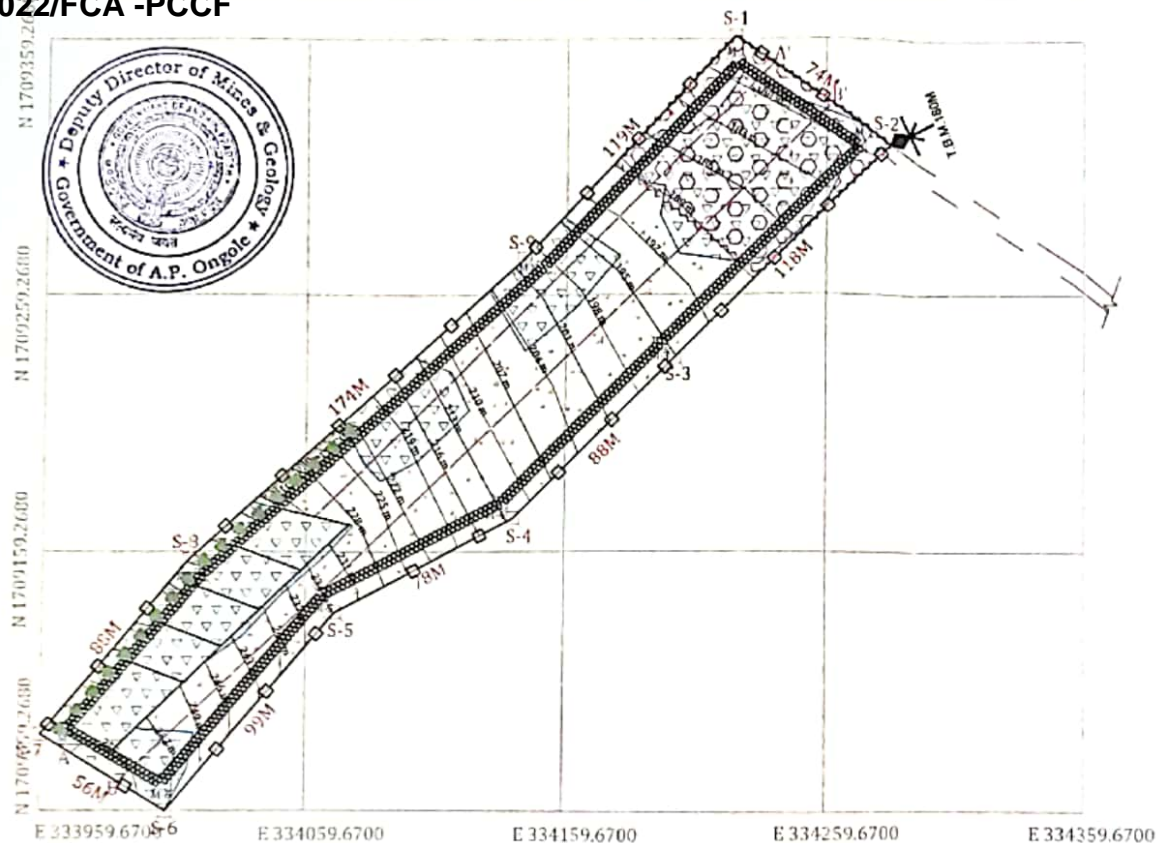
G. Veerabhadram  
R.Q.P

PLATE-VIII

<p align="center"><b>MODIFIED MINING PLAN FOR QUARTZ</b></p> <p align="center">Over An Extent of 4.23Ha, In Compartment No. 450 of Yerragonda R.F., Tummagunta Village, Kanigiri Mandal, Prakasam District, Andhra Pradesh State</p>	
<p align="center"><b>CONCEPTUAL CROSS SECTIONS</b></p>	
<p align="center">Applicant : M/s Sri Ahobila Narasimha Mineral, Mg.P: Sri P. Babul Reddy</p>	
<p><b>Contour: 3M</b></p>	<p><b>Scale: 1:2,000</b></p>



6204483/2022/FCA -PCCF



DGPS-COORDINATES (UTM ZONE-44Q, WGS-84 DATUM)		
S.No	Latitude	Longitude
S-1	N15.45601891	E79.45484770
S-2	N15.45564047	E79.45541080
S-3	N15.45488006	E79.45464109
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M-7	N15.45356484	E79.45249041
M-8	N15.45410557	E79.45295803
M-9	N15.45519985	E79.45416465

## INDEX

	Lease Area Boundary		Mined Out Area
	7.5M Buffer Zone		Proposed Plantation
	Bench Mark (B.M. 180M)		Stock Yard
	Dimension Line		Proposed Fencing Around the Stock Yard
	O.B./Top soil		Fencing
	Quartz		Ultimate Pit Limit
	Cross Sections		
	Contours		
	Road Area		

TABLE INDICATING THE BREAKUP OF AREAS IN THE MINING LEASE AREA DURING THE MINING PLAN PERIOD				
S.NO	HEAD	Area put on use at start of Plan (In Ha)	Additional requirement during Plan Period (In Ha)	TOTAL in (Ha)
1	AREA UNDER MINING	NILL	0.2759	0.2759
2	OVER BURDEN / WASTE DUMP	NILL	NILL	NILL
3	STOCK YARD	NILL	0.5000	0.5000
4	INFRASTRUCTURE (MAGAZINE)	NILL	0.03	0.03
5	ROADS (INCLUDED IN PIT)	1.77	NILL	1.77
6	GREEN BELT	NILL	0.075	0.075
7	RAILWAYS	NILL	NILL	NILL
8	OTHERS	NILL	NILL	NILL
9	RETAINING WALL FENCING AROUND THE PIT (INCLUDED IN QUARRY AREA)	NILL	0.93 M	0.93 M
10	TOTAL	1.77	0.8809	2.6509

S.NO	NAME	AREA (Ha.)
1	Mining Area	1.79
2	Safety Zone Area	0.67
3	Road Area	1.77
	Total Area	4.23

P Babul Reddy  
APPLICANT

G. Veeraswamy  
R.Q.P.

PLATE-IX

### MODIFIED MINING PLAN FOR QUARTZ

Over An Extent of 4.23Ha,  
In Compartment No. 450 of  
Yerragonda R.F., Tummagunta Village,  
Kanigiri Mandal, Prakasam District,  
Andhra Pradesh State

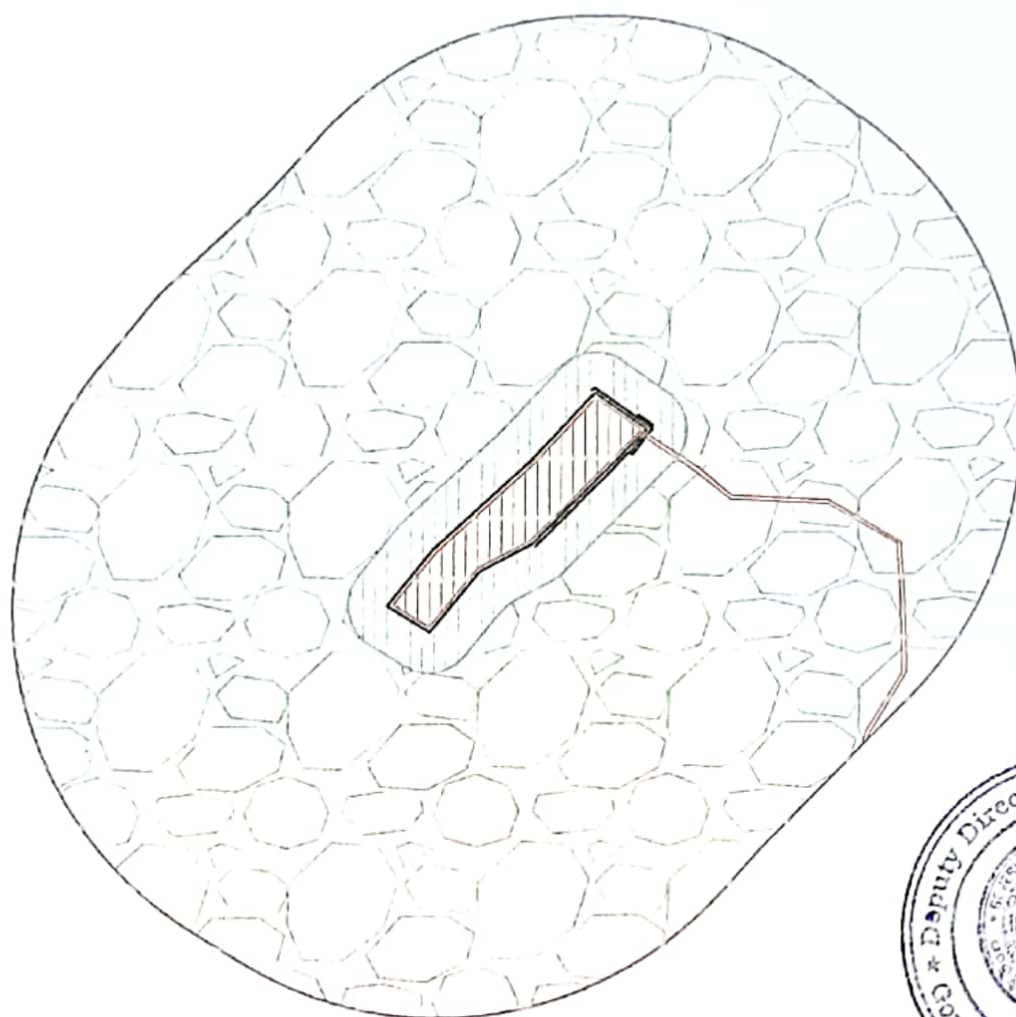
### FINANCIAL ASSURANCE PLAN

Applicant : M/s Sri Ahobila Narasimha Mineral,  
Mg.P: Sri P. Babul Reddy

Contour: 3M

Scale: 1:2,000





### INDEX

	Quarry Lease Area
	Buffer Zone of 500M Around the Lease Area
	Buffer Zone of 60M Around the Lease Area
	Hilly Area
	Road
	Trench with 1.25 M
	Check Dams

*P. Babul Reddy*  
APPLICANT

*G. Veereshwamy*  
R.Q.P

PLATE-X

MODIFIED MINING PLAN FOR QUARTZ	
Over An Extent of 4.23Ha, In Compartment No. 450 of Yerragonda R.F., Tummagunta Village, Kanigiri Mandal, Prakasam District, Andhra Pradesh State	
ENVIRONMENT PLAN	
Applicant : M/s Sri Ahobila Narasimha Mineral, Mg.P: Sri P. Babul Reddy	
Contour: 3M	Scale: 1:10,000



**DGPS Survey & Mapping of Proposed Quarry Lease for Quartz over an extent of 4.23 Ha**  
**in favour of M/s. A. Hobilam Narasimha Minerals in Compartment No:450 of Yerrakonda RF,**  
**Kanigiri Beat, Kanigiri Range in Giddalur Division, Prakasam District, A.P.State.**

N  
1:4000



S. No	Point Name	Northing (y)	Eastng (x)	Elevation (m)	Lat (N)	Long (E)
1	M-1	1709131.227	154225.512	175.435	15.45531987	79.45485775
2	M-2	1709137.207	154272.422	176.218	15.45545041	79.45529707
3	M-3	1709142.178	154395.783	184.407	15.45472927	79.45450578
4	M-4	1709178.324	154195.022	209.518	15.45436432	79.45422524
5	M-5	1709142.680	154083.973	227.539	15.45462187	79.45318521
6	M-6	1709209.802	154075.423	244.954	15.45337711	79.45282568
7	M-7	1709201.811	154068.294	258.237	15.45338484	79.45249041
8	M-8	1709152.299	154072.225	242.793	15.45435157	79.45250403
9	M-9	1709173.444	154190.553	222.732	15.45239985	79.45412445
10	S-1	1709302.539	154224.509	174.868	15.45621491	79.45484770
11	S-2	1709318.219	154284.835	175.529	15.45564447	79.45541280
12	S-3	1709334.899	154305.433	184.080	15.45582936	79.45540499
13	S-4	1709352.247	154318.677	198.967	15.45597955	79.45541314
14	S-5	1709353.882	154375.542	229.289	15.45597955	79.45541314
15	S-6	1709353.882	154375.542	229.289	15.45597955	79.45541314
16	S-7	1709353.882	154375.542	229.289	15.45597955	79.45541314
17	S-8	1709353.882	154375.542	229.289	15.45597955	79.45541314
18	S-9	1709353.882	154375.542	229.289	15.45597955	79.45541314
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67	S-58	1709353.882	154375.542	229.289	15.45597955	79.45541314
68	S-59	1709353.882	154375.542	229.289	15.45597955	79.45541314
69	S-60	1709353.882	154375.542	229.289	15.45597955	79.45541314
70	S-61	1709353.882	154375.542	229.289	15.45597955	79.45541314
71	S-62	1709353.882	154375.542	229.289	15.45597955	79.45541314
72	S-63	1709353.882	154375.542	229.289	15.45597955	79.45541314
73	S-64	1709353.882	154375.542	229.289	15.45597955	79.45541314
74	S-65	1709353.882	154375.542	229.289	15.45597955	79.45541314
75	S-66	1709353.882	154375.542	229.289	15.45597955	79.45541314

S.No	Name	Area(Ha)
1	Mining Area	1.79
2	Safety Zone Area	0.67
3	Approach Road Area	1.77
	<b>Total Area</b>	<b>4.23</b>

### Legend

• DGPS POINTS

MINING AREA

SAFETY ZONE AREA

APPROACH ROAD

0 100 200 300 400 500

For DGS Consulting & Surveying Services

*(Signature)*  
Mapping Partner

*(Signature)*  
R. Ramesh Kumar  
FOREST BEAT OFFICER  
KANIGIRI BEAT

*(Signature)*  
E. Ramesh Kumar  
DE. RANGE OFFICER  
KANIGIRI

*(Signature)*  
FOREST RANGE OFFICER  
KANIGIRI

*(Signature)*  
SUB-DIVISIONAL OFFICER  
GIDDALUR

*(Signature)*  
SUB-DIVISIONAL OFFICER  
GIDDALUR