

GOVERNMENT OF ANDHRA PRADESH
DEPARTMENT OF MINES AND GEOLOGY

From:
N.VENKATA KRISHNA, M.Sc., P.G.D.S.,
Asst. Director of Mines & Geology,
CHITTOOR.

To:
The Director of Mines & Geology,
IBRAHIMPATNAM.

Letter.No.9343/Q1/2014, Dt.19-01-2019.

Sir,

Sub:-Mines & Quarries – M/s.Prathima Granites, Prop:Sri K.Dheeraj applied for Quarry lease for Black Granite over an extent of 4.900 Hectares in Compt.No.205 of Ragimanupenta R.F (Vg), Bangarupalem (M), Chittoor West Division, Chittoor District – Report – Submitted – Regarding.

- Ref:-1. Application Dated 29-12-2014 from M/s.Prathima Granites, Prop:Sri K.Dheeraj and received in this office on 29-12-2014.
2. This office Letter No.9343/Q1/2014, Dt:29-12-2014 to the Divisional Forest Officer, West Division, Chittoor
3. This office Lr.No.9343/Q1/2014, Dt:29-12-2014 addressed to the Director of Mines & Geology, A.P.,
4. Inspection report of the Assistant Geologist, office of the Asst.Director of Mines and Geology, Chittoor.
5. Rc.No.331/2015/A2, Dt:05-12-2018 of the Divisional Forest Officer, Chittoor West Division, Chittoor.
6.Rc.No.50/2018, Dt: 05-11-2018 of the Forest Range Officer, Chittoor West Range, Chittoor.
7. Verification report of this office Surveyor.
8. Representation from Sri K.Dheeraj, Prop: M/s.Prathima Granites.

-:-O:-

I invite kind attention to the subject and references cited. I submit that M/s.Prathima Granites, Prop:Sri K.Dheeraj has filed quarry lease application in Comp No:205 of Ragimanupenta R.F, Chittoor West Division, Bangarupalem (M), Chittoor District and received in this office on 29-12-2014 vide reference 1st cited along with pre-requisites.

Through the reference 2nd cited, the Divisional Forest Officer, Chittoor West Division, Chittoor has been requested to depute an officer concerned from Forest Department to inspect the applied area of M/s.Prathima Granites, Prop:Sri K.Dheeraj.

Through the reference 3rd cited, this office forwarded one set of statutory Proforma along with Form "P" as submitted by the applicant over the subject area to the Director of Mines & Geology, A.P., for favour of information and taking further action at their end in accordance with the instructions of the Government.

Through the reference 4th cited, this office Assistant Geologist, Surveyor and Forest Range Officer, Chittoor West Division have inspected the applied area. The details of Inspection report is furnished below:-

Location and Accessibility :-

The applied area can be approached by travelling on Chittoor – Palamaner Road upto Bangarupalem to Ragimanupenta Cross Road and there by taking left diversion and travel via upto Ragimanupenta and thereby again taking left diversion Velthurcheru upto CIFS Colony and thereby Right diversion cart track leads to the applied area.



(Contd..2)

Physiography :

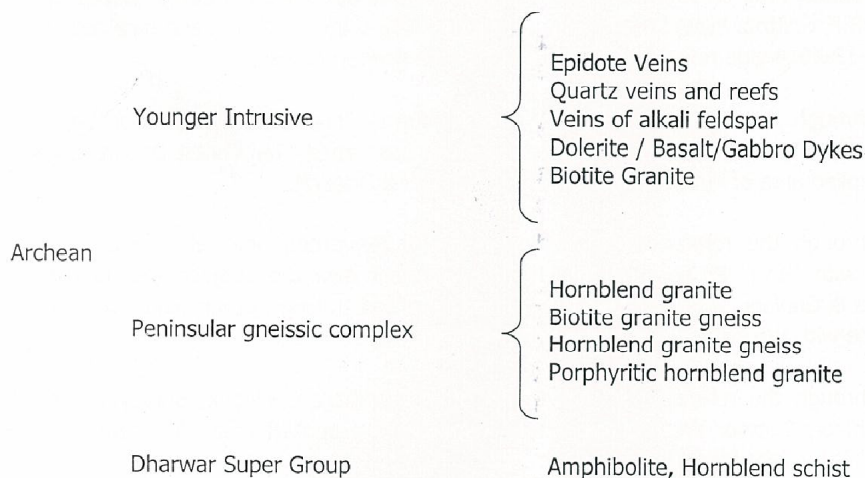
Topographically, the applied area falls in dis-continuous hillocks trending in East-West direction. The hillock relief in applied areas is about 70 to 100 mts. The hillock flanks showing gentle to steep slopes. The area covers with thorny bushes and boulders. Boulders and sheet are exposed at places. There are no prominent natural drainage channels in the area.

General Information :

Any rock possessing aesthetic beauty, pleasing colour requisite physical and mechanical properties etc., which can be cut and dressed to required dimension is called dimensional stone. The granite, granite gneiss dolerite, gabbro etc., are important rock types which are commonly exploited as granite dimension stones. Chittoor District is well known for the Granite Cutting and Polishing Industry and was first in the State, where the quarrying for granite was ten up on a commercial scale since the early sixties. Selected bodies of migmatites, grey and pink granite gneissic and dolerite are being quarried for dimension stones. Generally the Black Granite (dolerite dykes) occurs as intrusive body in the peninsular gneissic complex (Granite). Three sets of dolerite dykes traverse in East-West, North-South and NW-SE occurring in the District. The East-West trending dykes are productive in Gudipala Sector. The Black Granite is being marketed as "G-20" and is being exported to Italy, Taiwan and Germany. The other varieties of Black Granite like Tiger Black etc., being worked sporadically for domestic consumption. The Black Granite in the District is generally Green based with Augite and andesine in equal proportion. Pyroxene grains are intensively altered. The G 20 is relatively black based in comparison to other dykes.

Regional Geology :-

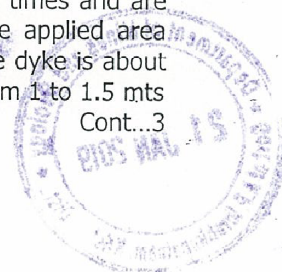
Geologically the area occupied by rocks of peninsular gneissic complex and major litho units exposed are migmatites and associated granitoids they are grouped under migmatite group of the peninsular gneissic complex. But the older metamorphics namely amphibolites, hornblend quartz mica schist are restricted to kuppam and souther parts of palamaner. Further dolerite dykes of basic composition are intruded into the migmatite group trending in East - West, NE - SW directions and the geological succession is as follows



Local Geology :-

Geologically, the applied area belongs to peninsular gneissic complex essentially a low grade metamorphic terrain formed during the Archean times and are intruded by late Archean to early proterozoic mafic dyke swarms. The applied area consists of dolerite dyke striking East-West in direction. The width of the dyke is about 70 to 90 mts. The applied area is covered with small boulders ranging from 1 to 1.5 mts

Cont...3



underneath by sheet rock. Mineralogically the dolerite consists of plagioclase feldspar and Augite as essential mineral and olivine, chlorite and Quartz as accessory mineral. Petrology of the area constitutes and exhibits wide variation in their external forms, structural patterns and in their formation. Dykes of basic composition are intruded into the gneisses with preferential emplacement broadly along East-West direction. At some places, the dyke is swelling and pinching. The unaltered part of plagioclase is cloudy due to minute inclusions of magnetite which is a common feature in dolerite dykes intrusive into granulite terrain. The rock available in that area is hard and compact in structure, fine to medium grain in size, black in colour exhibits ophitic to sub-ophitic structure black in colour. The Characteristics Colour, Structure, Texture, Compactness, Cutting & Polishing strength attains usage the same in cutting and polishing purpose. The above factors are commercially viable and may attract export value. Structurally the rock units are jointed and influence in recovery of dimensional stone.

Resource Potential :-

The resource estimates based on data generated during regional survey and tentative assessment based on outcrop study, nature of deposition, structure and other physical features which influence the recovery of dimensional stone and commercial viability. The superficial weathering influence the dolerite rock and defects along fractures and joints limit the recovery of materials.

Based on the outcrop study the length and width of dolerite dyke and approximate reserves of commercially extractable Black Granite at an approximate workable deposits is assessed as detailed below:-

Approx. Area in Sq.mts Length x Width in mts	Approx. Height in mts	Volume in Cum	Average Recovery @ 15 % in cum
500 x 65 = 32500	20	6,50,000	97,500

The quantities may vary subject to consideration of geological aspects, method of Quarry operation and the usage of machinery. Further it is observed that the particular quality of Black Granite available in the subject Ragimanupenta R.F area is unique and is not available in any revenue, Patta and other than Forest Lands.

It is submitted that as per the instructions of the Director of Mines and Geology, Hyderabad the relevant information to be furnished in the Check List for proposal for diversion of Forest land for Non-Forestry use under F.C.Act, 1980 for Mining proposals submitted below :-

A - Information from Department of Mines and Geology		
1	a	The type of deposit available in the applied area is in the form of discontinuous bodies of falling in Forest Lands. The dyke is trending in East-West direction as a length of about 500 mts with a width varying between 60 - 75 mts
	b	---
	c	No Quarry leases existing in the vicinity of the area
	d	20 years
	e	Not applicable.
	f	Not applicable.

There are applications filed by different agencies. The overlapping position with the existing quarry leases and other applied areas furnished in the Surveyor report.

The quantity of the available Black Granite in the area is estimated to be about 6,50,000 cubic meters. The recovery rate of extractable Black Granite blocks out of the estimated quantity is about 15%. Accordingly the estimated availability of sizeable blocks of the Black Granite may be about 97,500 cubic meters. This type of black granite is available only in this area and it is unique one and not available other than Forest area.

Through the reference 5th cited, the Divisional Forest Officer, Chittoor West Division, Chittoor, while enclosing the report of the Forest Range Officer, Chittoor West Range along with location maps (reference 6th cited), has informed the Asst. Director of Mines & Geology, Chittoor that the joint inspection of the area was conducted on 12-09-2018 and informed to verify the other applications if any over the subject area.

The Forest Range Officer, Chittoor Range, Chittoor West Division has reported that the proposed mining area is not a part of National Park / Wild life Sanctuary / Tiger Reserve / Bio-sphere Reserve / Elephant corridor etc. The area do not have historical / archaeological importance. The applied mining area is situated in C.No.205 of Ragimanupenta R.F and the area is situated 2456 Mts to Pulimaduguvuru Village of Bangarupalem Mandal as crow fly distance which is nearer to the location.

Through the reference 7th cited, this office Surveyor reported that the following quarry lease applications are received for Black Granite in Compt.No.205 of Ragimanupenta R.F, Chittoor West Division, Bangarupalem Mandal, Chittoor District as detailed below :-

Sl.No.	Name of the applicant	Date of receipt of Application	Location	Remarks
1.	Sri. T.V. Srihari (F.No.1311/Q/2007)	09-03-2007	C.No.205, Ragimanupenta R.F, Baireddypalli (M) Chittoor West Division, 1.750 Hects	As seen from the applied sketch (not to scale Topo Sheet), Not overlapping with the quarry lease application of M/s. Prathima Granites Prop;- Sri.K.Dheeraj (F.No.9343/Q/2014). However the applicant has rejected vide proceedings No. 28510/R5-1/2007, Dt:10-01-2012 by the Director of Mines and Geology, A.P.
2.	M/s Kanaka Durga Granites, Prop: T.V.Srihari (F.No.1649/Q/2007)	28-03-2007	C.No.205, Ragimanupenta R.F, Baireddypalli (M) Chittoor West Division, 1.500 Hects	As seen from the applied sketch (not to scale Topo Sheet), Not overlapping with the quarry lease application of M/s. Prathima Granites Prop;- Sri.K.Dheeraj (F.No.9343/Q/2014). However the applicant has rejected vide proceedings No. 15272/R5-1/2007, Dt:28-09-2007 by the Director of Mines and Geology, A.P.
3.	M/s. Sri Vinayaka Granites, Prop: S.Padmavathi (F.No.4672/Q/2007)	14-09-2007	C.No.205, Ragimanupenta R.F, Baireddypalli (M) Chittoor West Division, 3.000 Hects	As seen from the applied sketch (not to scale Topo Sheet), Not overlapping with the quarry lease application of M/s. Prathima Granites Prop;- Sri.K.Dheeraj (F.No.9343/Q/2014). However the applicant has rejected vide proceedings No. 17218/R5-1/2012, Dt:01-05-2012 by the Director of Mines and Geology, A.P.
4.	M/s Charan Granites, Prop:Sri. T.V. Srihari (F.No.5911/Q/2010)	22-09-2010	C.No.205, Ragimanupenta R.F, Bangarupalayam (M) Chittoor West Division, 3.000 Hects	As seen from the applied sketch (not to scale Topo Sheet), partly overlapping with the quarry lease application of M/s. Prathima Granites Prop;- Sri.K.Dheeraj (F.No.9343/Q/2014). However the applicant has rejected vide proceedings No. 1832402/R5-1/2018, Dt:02-01-2019 by the Director of Mines and Geology, Ibrahimpatnam.

5.	M/s Vinayaka Granites, Propbx: Smt B.Padmavathi (File.No.5505/Q/2011)	23-07-2011	C.No.205, Ragimanupenta R.F, Bangarupalayam (M) Chittoor West Division, 3.000 Hects	As seen from the applied sketch (not to scale Topo Sheet), Not overlapping with the quarry lease application of M/s. Prathima Granites Prop;- Sri.K.Dheeraj (F.No.9343/Q/2014). However the applicant has rejected vide proceedings No. 17219/R5-1/2012, Dt:01-05-2012 by the Director of Mines and Geology, A.P.
6.	Sri M.Pavan Kumar, (File.No.517/Q1/2013)	21-01-2013	C.No.205, Ragimanupenta R.F, Bangarupalayam (M) Chittoor West Division, 3.000 Hects	As seen from the applied sketch (not to scale Topo Sheet), Not overlapping with the quarry lease application of M/s. Prathima Granites Prop;- Sri.K.Dheeraj (F.No.9343/Q/2014). However the application will be submitted proposal separately.
7.	M/s Joshi Granites, Propbx: B.Devaki, (File.No.9342/Q1/2014)	29-12-2014	C.No.205, Ragimanupenta R.F, Bangarupalayam (M) Chittoor West Division, 4.900 Hects	As seen from the applied sketch (not to scale Topo Sheet), Not overlapping with the quarry lease application of M/s. Prathima Granites Prop;- Sri.K.Dheeraj (F.No.9343/Q/2014). However the application will be submitted proposal separately.
8.	M/s Prathima Granites, Prop: Sri K.Dheeraj, S/o K.S.Raghava Reddy, (File.No.9343/Q1/2014)	29-12-2014	C.No.205, Ragimanupenta R.F, Bangarupalayam (M) Chittoor West Division, 4.900 Hects	As seen from the applied sketch (Topo Sheet), partly overlapping with the quarry lease application shown at Sl.No.4. But S.No. 4 has rejected by the Director of Mines and Geology, Ibrahimpatnam and the S. No. 1, 2, 3, 5, 6, & 7 are not overlapping with the subject area.

The present rate of Royalty fixed by the Government is here under:

Dead rent : Rs.1,00,000/- per Hect/annum.

Seign.fees; @ Rs.3000/-per cbm on despatchable blocks exceeding

More than 300 cm x 180 cm sizes

@ Rs.2,500/-per cbm on despatchable blocks below

Above 270 cm x150 cm & less than 300 cm x 180 cm sizes

@ Rs.2,350/- per cbm ; on despatchable blocks below

Below 270 cm x 150 cm sizes

@ Rs.1000/- per cbm; on dispatchable blocks below 75 cms sizes.

Further it is submitted that M/s.Prathima Granites, Prop: Sri K.Dheeraj has paid enhanced application fee of Rs.5000/- vide CFMS Challan No.21100577982018, dt: 19-01-2019 and CFMS Challan No.21100451192018, dt:19-01-2019 for Rs.75,000/- towards enhanced Deposit amount and submitted to this office vide reference 8th cited.

It is submitted that the Director of Mines & Geology, Hyderabad vide Circular Memo.No. 12626/P/2015, dt: 24-06-2015 communicated guidelines circulated from Forest Department in Rc.No.45921/2001/FCA-4, dt: 15-06-2015 for submission of proposals in tune with the guidelines issued under Forest Conservation Act, 1980 in respect of diversion of Forest lands for Mining purpose. In this connection, it is submitted that the proposals submitted in the instance case are in consonance with the guidelines. All the aspects discussed in the said guidelines cover under the Mining Plan and Statutory permissions like Environment Clearance and Consent for Establishment etc., once the proposal is accepted in Stage-I, the statutory permissions can be obtained by the proponent before stage II clearance. Further it is informed that the applied area is falls inside and adjacent Reserve Forest boundary.

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, A.P., with a request to forward the same to the Principal Chief Conservator of Forests, Andhra Pradesh, Guntur 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.

Encl:As above

Yours faithfully,

19/1/19
Asst. Director of Mines & Geology,
CHITTOOR.

Copy submitted to the Divisional Forest Officer, Chittoor West Division, Chittoor for favour of information