# GOVERNMENT OF ANDHRA PRADESH DEPARTMENT OF MINES & GEOLOGY

From

V. Nagini, M.Sc., B.Ed., Deputy Director of Mines & Geology (FAC), KURNOOL. To Sri Y.Mahendranath Reddy, S/o Y.Maddileti Reddy R/o Banaganapalle (Town & Mandal), H.NO.2-23-4-18, Kareembag Colony, Banaganapalli Town Kurnool District-518124.

# Letter No.2580/MP-BPL/2021, Dt:05.05.2022

Sir.

Sub:- Mines and Quarries – Approval of Mining Plan (including Progressive Mine Closure Plan) for Road Metal over an extent of 3.960 Hectares in Compartment No.313 of Gulamaliabad South R.F., Kurnool Division, Bhanumukkala Village, Banaganapalle Mandal, Kurnool District in favour of Sri Y.Mahendranath Reddy, prepared by Sri G.Eswar Reddy, R.Q.P. - Mining Plan - Approved – Regarding.

Ref:- 1) G.O.Ms.No: 56, Ind. & Comm. (M.II) Dept., dated: 30.04.2016.

2) Prodgs.No: 28594/P.RQP/2001, dt: 13.05.2016 of the Director of Mines and Geology, Hyderabad.

 Circular Memo No.25019/P-Misc/2015, dt: 08.09.2020 of the Director of Mines and Geology, Ibrahimpatnam.

4) Quarry Lease Application No.MIN011700057575 filed by Sri Y.Mahendranath Reddy on Dt.17-07-2017.

5) Circular Memo No.3861432/P/2020, dt: 16.07.2021 of the Director of Mines and Geology, Ibrahimpatnam.

6) Letter No.Ref.no.EFS02-15029/4/2020-FCA SEC-PCCF/FCA-1, dt.12.08.2021 of the Prl. Chief Conservator of Forests & Head of Forest Force, Andhra Pradesh, Guntur.

7) Letter dated: 17.11.2021, along with draft Mining Plan from the applicant received in this office on 17.11.2021.

8) This office Letter No.2580/MP/2021, dt: 27.12.2021 addressed to the applicant / RQP.

9) Letter dated: 25.04.2022, along with five sets of fair copies of mining plan from the applicant received in this office on 25.04.2022.

\* \* \* \*

In exercise of the powers conferred as per amended Rule 7 A (I), (II), (III) and (IV) of APMMC Rules, 1966 read with G.O.Ms.No: 56, Ind. & Comm. (M.II) Dept., dated.30.04.2016, Proceedings No: 28594/P.RQP/2001, dt: 13.05.2016 and Circular Memo No.25019/P-Misc/2015, dt: 08.09.2020 of the Director of Mines and Geology, GoAP, *I hereby approve the* Mining Plan (including Progressive Mine Closure Plan) for Road Metal over an extent of 3.960 Hectares in Compartment No.313 of Gulamaliabad South R.F., Kurnool Division, Bhanumukkala Village, Banaganapalle Mandal, Kurnool District in favour of Sri Y.Mahendranath reddy, S/o Sri Y.Maddilety Reddy.

This approval is subject to the following conditions.

- The proposals contained in the approved mining Plan shall be applicable from the date of
  execution of the lease and for the mining activities to be carried out within the lease hold
  area as per the approved mining Plan only.
- 2. This Mining Plan (including Progressive Mine closure plan) is approved without prejudice to any other laws applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority or any order / direction from any court of competent jurisdiction.

- 3. This approval of the aforesaid Mining Plan (including Progressive Mine closure plan) does not in any way imply the approval of the Government in terms of any other provision of the Mines and Minerals (Development and Regulations) Act, 1957, or the Mineral Concession Rules, 1960 or the other Rules framed there under and any other laws including Forest (Conservation) Act, 1980, Forest Conservation Rules, 2003 and other relevant status, orders and guidelines as may be applicable to the lease area from time to time.
- 4. The approval authority does not owe responsibility with regard to recovery factor of Road Metal and assessment of reserves, any erroneous certification made by the R.Q.P. if any, since the evaluation is done on random basis.
- 5. The Mining Plan (including Progressive Mine Closure Plan) is approved subject to strictly adhering to the relevant Regulations of MMR, 1961 and obtaining prior permission from the Director General Mines Safety whenever and wherever it is required.
- 6. Prior permission from the Director General of Mines Safety whenever and wherever it is required.
- 7. 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.
- 8. The Mining Plan is approved for proposals contained therein and as applicable for the mining activities to be carried out within the mining lease hold for 5 years block period.
- 9. The approval of Mining Plan (including Progressive Mine Closure Plan) shall be subjected to vacation of prohibitory orders or notices or determination orders etc., if any issued by the competent authority.
- 10. If anything is found to be concealed as required by the Mines Act in the contents of the approved Mining Plan and the proposal for rectification has not been made or if at later stage the information furnished in the document to be incorrect or misrepresentation of facts, the approval shall be revoked with immediate effect.
- 11. This Mining Plan was approved as per the quarry lease executive sketch of the subject area. Any deviation found later, approval authority does not owe responsibility.
- 12. The approval authority does not owe responsibility with regard to erroneous certification made by the R.Q.P if any and approval is tentative subject to modification of new findings at a later date as per the provisions of Rules inforce, since the evaluation is done on random basis.

Yours faithfully,

Encl: (3 copies of A.M.P.)

Deputy Director of Mines & Geology (FAC), Kurnool.

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

Copy to Sri G.Eswar Reddy, RQP, Door No.13-2-155-1, Shirdi Nagar, Anantapuramu-5151001 for information.

Copy submitted to the Regional Controller of Mines, IBM, Kavadiguda, Secunderabad for favour of information.

Copy submitted to the Director of Mines Safety, Bellary for favour of information.

Of the Asst. Director of Mines & Geology, Banganapalle along with A.M.P with a shain valid Bank Guarantee (Financial Assurance) from the applicant TENIEST to Obtain Valid Bank Guarantee (Financial Assurance) from the applicant.

# GOVERNMENT OF ANDHRA PRADESH DEPARTMENT OF MINES & GEOLOGY

From

V. Nagini, M.Sc., B.Ed., Deputy Director of Mines & Geology (FAC), KURNOOL. To Sri Y.Mahendranath Reddy, S/o Y.Maddileti Reddy R/o Banaganapalle (Town & Mandal), H.NO.2-23-4-18, Kareembag Colony, Banaganapalli Town Kurnool District-518124.

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- 2. This Mining Plan (including Progressive Mine closure plan) is approved without prejudice to any other laws applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority or any order / direction from any court of competent jurisdiction.

- 3. This approval of the aforesaid Mining Plan (including Progressive Mine closure plan) does not in any way imply the approval of the Government in terms of any other provision of the Mines and Minerals (Development and Regulations) Act, 1957, or the Mineral Concession Rules, 1960 or the other Rules framed there under and any other laws including Forest (Conservation) Act, 1980, Forest Conservation Rules, 2003 and other relevant status, orders and guidelines as may be applicable to the lease area from time to time.
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Yours faithfully,

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Deputy Director of Mines & Geology (FAC), Kurnool.

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

Copy to Sri G.Eswar Reddy, RQP, Door No.13-2-155-1, Shirdi Nagar, Anantapuramu-5151001 for information.

Copy submitted to the Regional Controller of Mines, IBM, Kavadiguda, Secunderabad for favour of information.

Copy submitted to the Director of Mines Safety, Bellary for favour of information.

Copy to the Asst. Director of Mines & Geology, **Banganapalle** along with A.M.P with a request to obtain valid Bank Guarantee (Financial Assurance) from the applicant.

# MINING PLAN & PROGRESSIVE MINE CLOSURE PLAN FOR

OVER AN EXTENT OF 3.960 Ha (MINING AREA, 3.81 HA, SAFETY ZONE AREA: 0.59 HA & ROAD AREA: 0.06 HA). IN COMPARTMENT. NO. 313 OF GULAMALAIABAD SOUTH RF, KURNOOL DIVISION, BHANUMUKKALA (V), BANAGANAPALLE (M), KURNOOL DISTRICT, ANDHRA PRADESH STATE.

OTHER THAN FULLY MECHANIZED OPEN CAST QUARRY 'B' CATEGORY

FOREST LAND

(Under Rule 7(A) of A.P.M.M.C.R., 1966) AS PER FORM-T OF G.O.MS.NO.56, DT: 30.04.2016.

#### FOR

APPROVED

Sri.Y.Mahendranath Reddy, S/o Y.Maddilety Reddy,

R/o Banaganapalle (V & M), Kurnool District. Andhra Pradesh State.

Pin Code of Lease applied Area: 518124. E-mail:gmrstonecrushers9009@gmail.com Contact No.9440821279.

# Prepared by

G.ESWAR REDDY M.Sc., B L., RQP/Geologist, RQP/DMG/AP/07/2014,

RQP/HYD/302/2013/A' D.No.13-2-155-1,

Shirdi Nagar,

ANANTAPURAMU A.P. 515001.

Mobile: 09849132789.Phone No: 08554 222737. Email:eswarreddygeologist@gmail.com saigeoservices@gmail.com

**MARCH- 2022** 

# DECLARATION

This mining plan for quarry lease area for Road Metal over an extent of 3.960 Ha (Mining Area.3.31 Ha, Sale V Zone area:0.59 Ha & Road area:0.06 ha). in Compartment. No.313 of Gulamalaiabad South RF, Kurnool Division, Bhanumukkala Village, Banaganapalle Mandal, Kurnool District, Andhra Pradesh State, prepared in consultation with me and I understand its contents and agreed to implement the same in accordance of APMMC Rule 1966.

Place: KURNOOL.

Date :20-04-2022.

4 Mahendar North Redu

(Sri.Y.Mahendranath Reddy)

#### CERTIFICATE

This is to certify that Mining Plan in respect of quarry lease area for Road Metal over an extent of 3.960 Ha (Mining Area.3.31 Ha, Safety Zone area:0.59 Ha & Road area:0.06 ha). In Compartment. No. 313 of Gulamalaiabad South RF, Kurnool Division, Bhanumukkala Village, Banaganapalle Mandal, Kurnool District, Andhra Pradesh State, prepared by Dr G.Eswar Reddy, Consultant Geologist & RQP from M/s. SAI GEO SERVICES, office at Anantapuramu. The applicant agrees to follow the same in accordance to the provisions of law.

Place : KURNOOL.

Date: 20-04-2022.

**Applicant** 

(Sri.Y.Mahendranath Reddy)

Y- Mahandra North Reddy



#### CERTIFICATE

The provisions of APMMC Rule 28 observed in preparation of Mining Plan for quarry lease area for Road Metal over an extent of 3.960 Ha (Mining Area.3.31 Ha, Safety Zone area:0.59 Ha & Road area:0.06 ha). in Compartment. No. 313 of Gulamalaiabad South RF, Kurnool Division, Bhanumukkala Village, Banaganapalle Mandal, Kurnool District, Andhra Pradesh State.

Wherever specific permissions are required the Lessee will approach the concerned authorities.

Certified that the information provided in the mining plan is correct to the best of my knowledge.

Date: 20-04-2022.

Place: Anantapuramu.

SIGNATURE OF THE RQP

(G.ESWAR REDDY)

G. ESWAR REDDY, M.Sc.,B.L.,Ph.D., Recognised Geologist IBM/RO/HY 3/302/2013/A ROP/DMC/AP/07/2014

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	LIST OF ANNEXURES
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ANNEXURE – II	Copy of the Application to ADMG, Banagapalli , Dt:17-07-2017
ANNEXURE - III	Copy of the Letter Rc. no. 815/2019/HS,
	Date:18-08-2021, DFO Kurnool
ANNEXURE - IV	Copy of the Forest Department Document.
ANNEXURE - V	Copy of the additional Information.
ANNEXURE - VI	Copy of the Registration Certificate of R.Q.P

# MINING PLAN & PROGRESSIVE WINE CLOSURE PLAN FOR ROAD METAL OVER AN EXTENT OF 3.960 Hect. LOCATED IN COMPARTMENT. NO. 313, OF GULAMALAIABAD SOUTH RF, KURNOOL DIVISION BHANUMUKKALA VILLAGE, BANAGANAPALLE MANDAL, KURNOOL DISTRICT, AND HRA PRADESH STATE.

Introduction

Sri.Y.Mahendranath Reddy has filed an application for grant of Quarry Lease for Road Metal over an extent of 3.960 Ha (Mining Area.3.31 Ha, Safety Zone area:0.59 Ha & Road area:0.06 ha) in Compartment. No.313 of Gulamalaiabad South RF, Kurnool Division, Bhanumukkala village, Banaganapalle Mandal, Kurnool District in the office of ADM&G, Banaganapalle on 17.07.2017. Annexure-II.

The Asst. Director of Mines & Geology, Banaganapalle has submitted proposals to the Director of Mines and Geology, Ibrahimpatnam duly recommending for grant of quarry lease for **Road Metal** over an extent of 3.960 Ha (Mining Area.3.31 Ha, Safety Zone area:0.59 Ha & Road area:0.06 ha) in Compartment. No.313 of Gulamalaiabad South RF, Kurnool Division Bhanumukkala village, Banaganapalle Mandal, Kurnool District for a period of 10 years in favour of **Sri.Y.Mahendranath Reddy**, subject to satisfaction Forest Department clearance as per A.P.M.M.C. Rules, 1966 and subsequent Govt. Instructions issued from time to time.

The Director of Mines & Geology, Ibrahimpatnam after careful examination of the proposals of the Asst. Director of Mines & Geology, Banaganapalle it is decided in principle to grant of Quarry Lease for **Road Metal** over an extent of 3.960 Ha (Mining Area.3.31 Ha, Safety Zone area:0.59 Ha & Road area:0.06 ha) in Compartment. No. 313 of Gulamalaiabad South RF, Kurnool Division, Bhanumukkala village, Banaganapalle Mandal, Kurnool District for a period of 10 years in favour of **Sri.Y.Mahendranath Reddy,.** Vide Lr: No. 219982/R4-2/2017, dated: 03-12-2018 to get the Forest clearance from PCCF & HoFF, A.P. Guntur.

Mining Plan is approved subject to the

Conditions/Supulations indicated in the Mining Roll

Plan Approval Letter Piones

Dated. D. Dorz

Deputy Director of Mines & Geology,

The PCCF & HoFF A.P. Guntur requested to furnish additional information of other mining leases for particular mineral with their capacity and average annual production and projected future requirements in the state of Andhra Pradesh in respect of subject proposal for turner processing of the proposal.

It is also requested to recall the discussion held during video conference on 08-07-2021 with GoI, MoEF & CC, New Delhi on the issue of approval mining plan. The Government of India, MoEF & CC, New Delhi issued instructions to furnish the approved mining plan at the intial stage itself i.e., at the time of processing the proposal for stage-I approval.

The authenticated DGPS surveyed Sketch of the proposed forest area with Geo-Coordinates duly indicated land use plan for mining, safety zone, approach road in respect of the subject proposal is sent herewith. Necessary instructions are being issued to the User Agency to furnish draft mining plan based on the above precise area arrived after conducting DGPS survey to the Director of Mines and Geology, A.P., Ibrahimpatnam for necessary action. The Director of Mines and Geology, A.P., Ibrahimpatnam/ the representative authorized by him, may approach the Divisional Forest Officer, Kurnool for entry in to forest and inspect the precise forest area proposed for mining purpose vide letter Ref. No. EFSO2-15029/11/2020-FCA SEC-PCCF/FCA-1, Dt: 12-08-2021 as per APFD-F (C) Act, 1980- Diversion of forest land over an extent of 3.960 ha. in Compartment No.313, Gulamaliabad South Reserve Forest, Dhone Range, Kurnool Division & District Sri.Y.Mahendranath Reddy for grant of quarry lease for Road Metal. Annexure-III.

Hence it is requested to take necessary action to furnish the Approved Mining Plan by getting draft Mining Plan from the User Agency for the precise forest area arrived after DGPS survey to the Director of Mines & Geology, Ibrahimpatnam.

**Sri.Y.Mahendranath Reddy,** approached **Sri.G.Eswar Reddy,** Consultant Geologist & RQP to prepare the Mining Plan following the guidelines and hence this Mining Plan is prepared under Rule 7 (A) of APMMC' 1966 and submitted.

GENE	RAL (S)	STATISTICAL STATISTICS
1.1	Name and Address of the Lessee	Sri Y Mahendramth Reddy, \$/0 Y Maddilety Reddy, R/0 Banaganapatle (V & M), Kurngol District Andhra Pradesh State. Pin Code of Lease applied Area: 518124. E Infail un stonecrushers9009@gmail.com Contact No.9440821279.
1.2	Status of the Lessee (Individual/ Private Company/ Firm)	Individual
1.3	Mineral (s) which are included in the Letter of Intent	ROAD METAL
1.4	Name and Details of person employed for preparing Mining Plan	G.ESWAR REDDY M.Sc., B L., RQP/Geologist, RQP/DMG/AP/07/2014, RQP/HYD/302/2013/A, D.No.13-2-155-1,Shirdi Nagar, ANANTAPURAMU. A.P. 515001. Mobile: 09849132789. Phone No: 08554 222737.
1.5	E-Mail & Website	Email: eswarreddygeologist@gmail.com
1.6	RQP Registration No. & Validity	RQP/DMG/AP/07/2014 & Valid Up to Dec-2024

#### II. LOCATION AND ACCESSIBILITY:

1. Toposheet No. with latitude and longitude of all corner boundary pillars: The Quarry lease area falls on SOI Toposheet No.57 I/ 03 Scale 1: 50,000) and the Geo Co-ordinates of the boundary pillars are tabulated below: Table - DGPS READINGS OF BOUNDARY POINTS

Delow.	Table - Dars READIN	G3 OF BOOMDAKT POINTS	
	GEO COORDINATES -	MAP DATUM WGS - 8	4
	DMS(degrees, m	inutes, seconds)	
POINT	N-Latitude	E-Longitude	Remarks
M1	15° 18′ 36.62795″	78° 11′ 37.42733″	
M2	15° 18′ 38.84752″	78 <sup>0</sup> 11′ 35.99152″	Mining Area
M3	15° 18′ 39.05172″	78° 11′ 34.61186″	
M4	15° 18′ 39.29405″	78 <sup>0</sup> 11′ 32.98949″	
M5	15° 18′ 39.50117″	78° 11′ 31.63463″	
M6	15° 18′ 39.70918″	78 <sup>0</sup> 11′ 30.26525″	
M7	15° 18′ 38.34039″	78° 11′ 30.27313″	
M8	15° 18′ 37.11196″	78° 11′ 30.27807″	
M9	15° 18′ 35.84373″	78° 11′ 30.28629″	
M10	15° 18′ 34.50352″	78° 11′ 30.29395″	
M11	15° 18′ 33.33596″	78° 11′ 30.29972″	
M12	15° 18′ 33.40536″	78° 11′ 31.81925″	
M13	15° 18′ 33.47096″	78° 11′ 33.23116″	
M14	15° 18′ 33.53603″	78° 11′ 34.64672″	
M15	15° 18′ 33.61008″	78° 11′ 36.28376″	
M16	15° 18′ 33.66085″	78 <sup>0</sup> 11′ 37.53538″	
M17	15° 18′ 35.01733″	78° 11′ 37.50707″	
M18	15° 18′ 36.37494″	78° 11′ 37.47614″	
M19	15° 18′ 37.53292″	78 <sup>0</sup> 11′ 37.45316″	

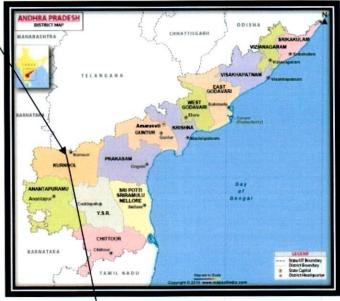
	GEO COORDINATES	MAP DATUM WGB - 8	4
	DMS(degrees, th	inutes, seconds)	
POINT	N-Latitude	E-Longitude.	Remarks
S1	15° 18′ 38.4177	780 11 3/19051"	Safety Zone
S2	15° 18′ 38.59487	78 11 35.99812"	Area
S3	15° 18′ 38.80833″	78 11 34 60161"	
S4	15° 18′ 39.05512″	78°11′32.97012″	
S5	15° 18′ 39.25961″	78° 11′ 31.61002″	
S6	15° 18′ 39.42357″	78° 11′ 30.50474″	
S7	15° 18′ 38.32108″	78 <sup>0</sup> 11′ 30.51362″	
S8	15° 18′ 37.09233″	78° 11′ 30.52208″	
S9	15° 18′ 35.80567″	78° 11′ 30.52739″	
S10	15° 18′ 34.52312″	78 <sup>0</sup> 11′ 30.53661″	
S11	15° 18′ 33.59321″	78° 11′ 30.54068″	
S12	15° 18′ 33.64816″	78 <sup>0</sup> 11′ 31.80291″	
S13	15° 18′ 33.71407″	78° 11′ 33.25961″	
S14	15° 18′ 33.77482″	78° 11′ 34.57344″	
S15	15° 18′ 33.85196″	78° 11′ 36.22797″	
S16	15° 18′ 33.89962″	78° 11′ 37.28858″	
S17	15° 18′ 34.98337″	78° 11′ 37.26307″	
S18	15° 18′ 36.30362″	78° 11′ 37.23763″	
S19	15° 18′ 37.49708″	78° 11′ 37.20667″	

	GEO COORDINATES -		4
	DMS(degrees, m	inutes, seconds)	
POINT	N-Latitude	E-Longitude	Remarks
R1	15° 18′ 33.65913″	78° 11′ 37.35451″	Road Point
R2	15° 18′ 32.61931″	78° 11′ 37.43701″	
R3	15° 18′ 32.62525″	78° 11′ 37.62552″	
R4	15° 18′ 31.47721″	78° 11′ 37.52275″	
R5	15° 18′ 31.38507″	78° 11′ 37.73858″	
R6	15° 18′ 30.38584″	78° 11′ 37.60256″	
R7	15° 18′ 30.34848″	78° 11′ 37.82232	

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# 2. Attach a general location map showing area and access routes:

The QL area is located at 4.5 km towards South West of Banaganapalli village and 1.5km towards South East of Yagantipalli village. Cart road is having from the Yagantipalli village. The Yagantipalli village is on road side which is connecting Kurnool to Banaganapalli Road. The QL applied area can be approached from Kurnool to Banaganapalli Road before 4.50 km from Banaganapalli Mandal Yagantipalli village take right diversion towards South of the Road 1.5 km QL applied area is reached. The Q L applied area has good accessibility to the National Highway of NH-18 Kurnool to Chennai at 35.0kms connecting at Nandyal cross. Water is available at the nearby site in Agricultural Bore Well from Q.L. applied area. Power connections are available up to Yagantipallii (V) Banaganapalli Mandal, Kurnool Dist. Tele communication facility is available at Banaganapalli(V), which is at a distance of about 4.50 km all cell networks can function in the site area.

The nearest railway station is at Banaganapalli which is about 4.5Km. Nearest Port facilities are at Chennai, Krishnapatnam, and Mangalore. High school is present in the Banaganapalli village, Degree level Educational facilities exist at Banaganipalli. Hospital facility (PHC) is available at Banaganapalli which is 5.0 km. from the quarry site.

The details of the area are tabulated below:

\*Map Datum: WGS-84

State	District	Mandal	Village	Compartm ent. No.	Extent in hects.	Status of occupancy	Pin Code
Andhra Pradesh	Kurnool	Banaga napalle	Bhanum ukkala	313	3.960	Forest land (barren)	518124

The Sketch Approved By the ADM&G, Banaganipalli & DDMG, Kurnool, in favor of Sri.Y.Mahendranath Reddy. Is Given As Plate No. II.

# 2.1 Period of quarry lease required = 10 years

#### 2.2 Infrastructure and Communication

Availability of Water	Water is available at near the Quarry site Bore Well fitted with Submersible Pump. Power connections are available near to QL applied area.
Availability of Electricity	Power connections are available up to Bhanumukkala village. The company will draw power lines from the village.
Communication Network	Tele communication facility is available at Bhanumukkala which is at a distance of about 1.0 km and all networks can function in the site area.
Road Network	The QL applied area has got good accessibility to the Banaganapalle - Nandyal Road crossing at about 2.5km at Banaganapalle.
Nearest Rail Head	The nearest railway station is at Banaganapalle which is about 4.5 km.
Port Facility	Nearest Port facilities are at Chennai-528km, Krishnapatnam-416km, Mangalore-600km and Tuticoreine-948 km.
School	High school is present in the Bhanumukkala village, Degree level Educational facilities exist at Banaganapalle.
Medical Facility	Hospital facility is available at Banaganapalle which is 4.5 km. from the quarry.
Forest Boundary	The applied area is situate in Forest at a distance of 100 mts from forest boundary.
Airport	The nearest Airport is at Orvakal which is about 35.0 km

#### **Boundaries**

**North:** Govt.Land Compt.No.313, Bhanumukkala village.

**South:** Govt.Land Compt.No.313, Bhanumukkala village.

**East:** Govt.Land Compt.No.313, Bhanumukkala village.

West: Govt.Land Compt.No.313, Bhanumukkala village.

Further good potential exists for the employment of unskilled labour in the existing Quarries and allied Small-Scale Industries. The area experiences Tropical Climatic Conditions, General Monsoons are SW & NE with an average annual normal rainfall of 502.3 mm and 553.8 is in the year of 2010-11. The local day temperature varies from 22.0°C (Minimum in winter) to 43.0°C (Maximum in summer) in the Month. Total Population of this Yagantipalli & Bhanumukkala Village is around 1040 & 1524 (Source: Census of India – 2011).

# III DETAILS OF APPROVED MINING PLAN SCHEME OF MINING IF ANY

No Mining plan was approved earlier. The Present document is for assessment of the quarry activity, Reserve Estimation, Proposed Method of Mining, Environment Management Plan including Reclamation and Rehabilitation measures to be adopted. The Lessee will approach ADMG for necessary Permissions to Start Quarry Operations.

# PART - A

#### 1. General details of the area:

#### Physiography / Topography:

Topographically the QL applied area is a Hillock gently slopes towards South directions. Generally it is hill with an average altitude of 260m to 296m above M.S.L. and dendritic to sub dendritic drainage is observed. The area is elevated towards North of the QL applied area and sloping towards South directions. The area is belonging to Forest. It comprises big size Boulders and shrubs only. The subject area covers the part of the Pediment comprising negligible OB 9m depth along the depressions of the big size Boulders exposed over the subject area. The drainage pattern is dendritic to subdendritic. The applied area belongs to Be long forest land it does not have much vegetation. The climate is tropical with temperatures ranging from 28 °C to 38 °C in the summer and 18 °C to 20 °C in the winter. The average annual rainfall is about 568.7 mm and 313.3 mm in the year 2014-15.

#### 2. GEOLOGY AND EXPLORATION:

2.0 Regional Geology

#### Brief description of Regional Geology with reference to location of lease area:

The Dolerite and Basic sills are available in this QL applied area. This are intruded in to Tadipatri Shales. Basically the Kurnool District is underlain by various Geological Formations ranging in age from Archean to Recent. Majour part of the district is underlain by the Granite Gneisses and Schists of Archean Age. Eastern part of district is occupied by the quartzite's, Lime Stones, Shale's of Cuddapah and Kurnool Group of Rocks. Alluvium is restricted to Krishna, Tungabadra and Handri rivers.

The Stratigraphic sequence of the rocks of Cuddapah basin, as classified by Nagaraja Rao & Ramalinga Swamy (1976) as given below:

	Or was Cal	
KURNOOL GROUP	Nandyal Shale	
500+M	Koilkuntla Limestone	0
	Panyam Quartzines	
	Owk Strate (1)	
	Owk Shale Narji Limestone	
	Banaganapall Quartzite	
	Unconfirmity	
KRISHNA GROUP	Srisailam formations	Pebbly grit, quartzite,
		hetirolithic shale-sand
		stone
-x-x-	x-x-x-x- Tectonic contact -x	-X-X-X-X-
NALAMALAI GROUP	Cumbam Formations	
1200M	(Pullampet Shale)	Limestone, quartzite
	Bairankonda Quartzites	Pebbly grit, quartzite,
	(Nagari Quartzite)	hetirolithic shale-sand
		stone
-x-x-	x-x-x-x- Tectonic contact -x	-x-x-x-x-
CHITRAVATHI	Gandikota Quartzites	Quartzite, Pebble beds
GROUP	Tadipatri Formation	Shale, ash fall tuffs,
4975M		quartzite, stromatolitic
		dolomite with mafic flows,
		sills and gykes
	Pulivendla Quartzite	Conglomerate and
		quartzite
	Unconfirmity	
PAPAGNI GROUP	Vempalli Formation	Stromatolitic dolomite,
2110M		Shale, basic flows and
		intrusive
	Gulcheru Quartzite	Conglomerate, feldspathic
		sand stones and quartzite
	Unconfirmity	
	PENINSULAR GNEISS	

OF MINES

The rocks of Kurnool Group generally rest on the tilted lower Cuddapah rocks. However, in the area South of Kurnool, they rest directly on granite gneiss. To the North and East of Kurnool, the Kurnool Group of rocks completely cover the Cuddapah and have faulted boundaries with the latter. The lowest member of Kurnool group is Banaganapalli Formation which comprises conglomerate at the base and quartzite at the top. The conglomerate is diamondiferous. The Narji lime Stone is lying on Banaganapalli formation, which comprised majority flaggy limestone. The Qwk formation comprises purple or Buff Shale. The Panyam Formation is made-up of Quartzite. The bottom portion of quartzite is pink, brown or grey and cross-bedded, while quartzite at the top is white. The top two formations of Kurnool Group viz., Koilkuntla limestone and Nandyal Shale cover a large area around Nandyal, occupying a broad valley in the area. These rocks overlap the older Kurnool's in the East and rest directly on the Cuddapah's.

A 500m thick succession of Quartzite, Sand stone, Clay & Limestone unconformably overlies the Cuddapah sediments of Kurnool and Palnad Basin. The Kurnool sub basin is in the West Central part of the Cuddapah Basin lies between the Northern Srisailam sub Basin and Southern Papagoi sub Basin.

Formation	Lithology	Thickness in mts
Nandyala Clay	URNO	50-100
Koilakuntla Limestone	Limestone	15-50
Panyam Quartzite	Quartzite	10-35
Owk Clays	Clay	10-15
Narji Limestone	Limestone	100-200
Banaganapalle Quartzite	Conglomerate Quartzite	10-50

Banaganapalle Quartzite forms the basal part of the Kurnool group overlies the Cuddapah group with unconformity. It consists of Dark Red, Grey or Brown Sand stone, which is course grained and gritty with an impersistant Zone of Conglomerate.

The Narji Lime stones are well developed and have extensive distribution. It starts as highly siliceous limestone with Pink Colour and thin lenticular lenses of gritty, ferruginous sand stone at some places. The middle portion is a Bluish grey high grade limestone, massive and thinly bedded.

The Owk Clay overlying the Narji Limestone, buff white and purple colored Clay. Panyam Quartzite overlying the Owk Clay is overlain by ferruginous, occasionally Conglomerate Panyam Quartzite. These Quartzites are forming typical highly jointed inselberg type out crop with vast and extensive exposure of low level with gentle dips.

The Koilakuntla Limestone is siliceous and flaggy with intercalated good quality of limestone.

The Nandyal Clay is uppermost litho unit of Kurnool group, which is purple in Colour with earthy Clay intercalations, salty cleavage and presence of puckers at the contact of Nandyal Clay with other formation indicating the effect of mild deformation.

#### 2.1 Geology of the Lease area:

The applied area is situated South-West of Banaganapalli town at a distance of 4 km the applied area falling the juncture of in the survey of India Topo Sheet No.57 I/3, and it can be approached by travelling from Banaganapalli-Tadipatri road up to 3km and by taking right diversion by cart track towards South-West travelling 1.50 km directly reach the applied area.

Topographically the applied area is part of a big hillock which is in East-West direction. It is geologically consisting Banaganapalli Quartzite's and Tadipatri Shales are intruded by the Dolerite Sills. The basic intrusive rook is dark in colour, hard in nature and having cracks and joints. As seen from the existing quarry leased area excavated pits adjacent to the applied area, it reveals that the Gravel and Quartzite's are available in the form of scree. The rocks quarried in the area are used as Road Metal and Building Stone in the construction works i.e. Road Works. The available Gravel is also useful for laying roads and other constructional purpose.

Major litho unit exposed in the QL area is Limestone (Flaggy) with track follows beds of Dolerite sills. At the time of inspection lithological sequence observed in the nearby existing quarry leased areas on quarry face are 0–2.00 Mts Soil Cover, 2.0 – 9.0 Mts Weathered Flaggy Limestone and 10.0–40.0 Mts., Dolerite Sills which are useful for Road Metal. These Dolerite sills are black in colour jointed with irregular intervals. These Road Metal can be used in construction of buildings and Road laying purpose. Some of the entrepreneurs in Panyam are also using this material to the various constructions and NH-18 Road.

**Topsoil:** Black cotton soils are covering the Road Metal on Top of the QL applied area with thickness of about 1.5.m and OB up to 9.0 mts which can be used as Gravel.

b) i) <u>Geological Plan:</u> Mining lease area was demarcated on the ground with reference to revenue pillars. Later the topographical survey of the area was carried out by theodalite. Based on topographical survey and geological features, collected from the surface, the surface geological plan was prepared on 1:1500 scales with 5.0m contour interval and enclosed as plate-3.

# c) Details of the Applicant:

Sri.Y.Mahendranath Reddy,

S/o Y.Maddilety Reddy,

R/o Banaganapalle (V & M),

Kurnool District. Andhra Pradesh State.

Pin Code of Lease applied Area: 518124.

E-mail:gmrstonecrushers9009@gmail.com

Contact No.9494910000.

# d) Details of the Prospecting carried out:

Not applicable to Road Metal Quarries.

- e) Surface Plan area on scales: The surface cam Geological Plan and Cross Sections of the Q.L. Applied Area is prepared on 1:1500 & 1:1000 scale and is enclosed as Plates-3 & 4.
- f) Geological plan is enclosed as Plate-3.
- g) Geological cross sections have been shown on Plate-4.
- h)Broadly indicate the future problem of exploration with due justification taking into consideration the future tentative excavation program planned in next five years:

It is not necessary. Because there is old pit exposed and adjacent quarries also exposed.

- i) Reserves and Resources as per UNFC:
- i) Type of Deposit as per UNFC Guidelines

Road Metal is not falling in any category of UNFC classification. It is localized mineral available anywhere utilized for construction purpose such as laying roads, construction of buildings etc., depending upon the characteristics of the rock. Granites, dolerites etc which are highly disturbed and dolomites, quartzite etc., which are not useful for any other their specific purpose of their characteristics in specified area useful for construction as Road Metal as locally.

# ii) Parameter – Grade, Threshold value, Sectional Area and Bulk Density:

As the ROM is intended for use in the Road Metal no specific parameters were considered. The bulk density of 2.85 is adopted for estimating the reserves.

The sectional area was considered and assumed thickness of sheet rock and 25 to 30 m on either side of the lease applied area. The Bulk Density was considered at 2.85.

# iii) Status of exploration: G1

#### **GEOLOGICAL AXIS:**

- 1. Geological Survey:
- i) Mapping: Detailed geological survey was carried out in the area on 1:1500 scales with 2.0 meter contour interval.
- ii) Preparation of detailed topographical cum Geological map: The topographical cum Geological map including all surface Geological features, extent of deposit, structures, have been prepared on 1:1500 scale duly marked with surface geological features, GCP's etc. (Plate-3).

- iii) **Topo grid / Triangulation stations:** The topo grid with Geological cross sections has been prepared on prescribed scale showing litho-units. Relevant plans are enclosed as **Plate-4.**
- 2. Geo-Chemical Survey: Geo Chemical survey is not warranted. The suitability for aggregates was tested.
- 3. Geophysical survey: Not carried out because sheet rock of Granite is exposed 9 mts below the surface in adjacent quarry lease so that we have not underfed geophysical survey.
- 4. Technological survey: Not applicable.
- Detailed topographical and geological survey was carried out on 1:1500 scale showing all the surface features, contours at 5.0 m interval, the lease boundary, surface Geology & Structural features.
- The entire thickness of Road Metal found to be more than 25m to 30m which was correlated from the bore hole inventory data in the adjacent lands and adjacent quarry.
- Reserves are estimated by cross sectional method.

#### **FEASIBILITY AXIS:**

# 1. Geology:

The detailed Geology has been detailed in **Part-A**, Para-2 which may kindly be referred to.

# 2. Mining:

Road Metal will be exploited through opencast other than fully mechanized mining methods with drilling & Blasting. ROM will be directly consumed by the Lessee for sale by the applicant for nearest crushing plants and intended for the highways Project from Kurnool to Bangalore.

#### **Environment:**

The deposit will be mined adopting conventional opencast semi-mechanized mining methods without any adverse environmental impact. The Lessee will obtain statutory clearances as soon as this Mining Plan is approved. Mining in the leasehold does not disturb any human settlements as they are far away from the lease Proposal area. On the other hand the mining operations will create livelihood to the villagers nearby. The Lessee will develop green belt around the Q.L. Applied Area as part of his commitment to environment protection.

# 3. Processing:

After blasting the ROM will be fed directly on to the crusher for crushing in to desired sizes of aggregates.

Mining operations will be carried out by deploying the following machinery:

S.No	Type of machine	Nos	Dia of hole	Size capacity	Make	Motive power	Н.Р
1	Excavator /JCB	2	-	1.2 cu m	L&T	Diesel	200
2	Tippers	4	-	17 tons	-	Diesel	60
3	Drilling machines	1	3"			Diesel	
4	Tractor mounted compressors	2	2"			Diesel	3
5	Water Tankers	2					
6	Loaders	2		3 cu m	1 3 3 3		

- **5. Infrastructure:** The entire necessary infrastructure such as office, rest shelter, magazine, explosive van, water tankers, power connection etc., will be provided once the mining plan is approved. The Q.L. Applied Area is connected with roads to the Banaganapalle Mandal and District headquarters of Kurnool.
- **6. Costing:** The cost of production of Road Metal works out to be Rs. 500/-per ton.
- 7. Marketing: Road Metal is not intended for outside sale. It is for captive purpose for the crusher and Hot mix plant of Lessee for use in the Highways road project from Kurnool to Nandyal.
- **8. Economic Viability:** As the proposed quarry lease is in the near vicinity and captive use it is surely economic and viable.
- **9. Other factors:** Relevant clearances shall be obtained for Staring the mining operations in the Q.L. Applied Area.

#### **ECONOMIC AXIS:**

# 1) Detailed exploration:

Detailed topographic survey and geological mapping the Q.L. Applied Area was subjected to detailed exploration by field traverses and well inventory data. The depth of sheet rock is assessed by the lithology observed in the adjacent boreholes of agricultural lands.

2) Mining Reports/Mining Plan

This is the first Mining plan being supported

- 3) Specific end-use grades of reserves (above economic cutoff grade)

  ROM is intended for crushing to use in the aggregates for roads.
- 4) Specific knowledge of forest/non-forest and other land use data

The entire Q.L. Applied Area is covered by Compartment No.313 of Gulamalalabad South Reserve Forest, Kurnool Division Hence, considering the above parameters discussed reserves / resources are categorized as E-1 Axis.

(j) Feasibility Report along with financial analysis per economic viability of the deposit: The cost of production of Road Metal is arrived at Rs.500/- per ton inclusive of taxes and royalty. The entire ROM is for sale purpose as such it is surely economic and profit oriented.

# (k) MINERAL RESERVES

The Principal Chief Conservator of Forests & HoFF, A.P. Guntur has informed that as per the minutes of the meeting held on 08.07.2021, the Go, MoEFF & CC, New Delhi issued instructions to furnish the approved mining plan etc., at the initial stage itself i.e., at the time of Processing the proposal for Stage-I approval. The following information are required for processing of the subject proposal.

- 1. Information on other mining leases for particular mineral with their capacity and average annual production and projected future requirements in the State of Andhra Pradesh in respect of the subject Proposals.
- 2. Approved Mining Plan by getting the draft mining plan from the user agency for precise forest area.

Hence, I request the Deputy Director of Mines & Geology, Kurnool to furnish above two points information as instructed by the Principal Chief Conservator of Forests & Hoff, A.P. Guntur in the reference 2nd cited (copy enclosed) at an early data for processing of the proposal.

(i) Mode of Mining, recovery Factor, Mining Losses, Processing Losses etc., Road Metal will be mining by open cast other than fully mechanized method with drilling and blasting. The recovery factor is considered as 95% Road Metal, & 5% waste as interstitial voids and fractures because it is exposed with sheet rock. There will not be any mining losses except handling loss which will be again recovered during further loading.

- (ii) Cut off grade and Ultimate Pit depth. There is no cut off grade as the ROM will be put to use for Road Metal as aggregates. The UPL will be 262m at the North and 298m in South portion of the O.L. Applied Area during the First to fifth year of this mining plan period.
- (iii) Mineral blocked due to the presence of maintenance of benches, barriers, internal roads, electrical lines etc. The mineral will be blocked in 7.5m safety barrier zone, Roads, Benches which is computed separately and tabulated in the succeeding paragraphs.

# (iv) Total Mineral reserves:

The reserves are estimated basing field traverses and the lithology of the well inventory in the adjacent agricultural fields and cross sections drawn on the ore body. The area of the influence and the cross sections were taken at 27m to 30 m on an average i.e. 30.0 m on either side of the Cross section. The occurrence of the dolerite still is more than 30.0 m BGL. Based on the field traverses and correlated data from the boreholes in the adjacent agricultural lands to a depth of 100.0m, the estimated reserves are considered as Proved reserves. The cross sections A-A' & B-B' are considered for computation of reserves. The present area which is explored is considered for computation of reserves under G-1 category.

Table-2

						Produc	tion	
ategory	SECTIONS	Sectional Area	Deposit Height in m	Volume m³	RESERVES OF AGGREGATE @ 95% IN m <sup>3</sup>	RESERVES OF AGGREGATE @ 2.85/m <sup>3</sup> IN Tons	Rock Waste @ 5% in m <sup>3</sup>	ОВ
		17100	9	153900/				153900
Proved	A-A'	17100	30	513000 /	487350	1388948/	25650	
•				513000	487350	1388948	25650	153900
	16000	16000	9	144000 /	-			144000
Proved	B-B'	16000	30	480000	456000 /	1299600 /	24000/	
				480000	456000	1299600	24000 /	144000
Total		33100		993000	943350	2688548	49650	297900
	AFTER BUFF	ER ZONE	CS Tax	844050	801848	2285265	42203	293432
AF	TER SLOPE	DEDUCTION	J	409116	388660	1107682	20456	291909

**ROAD METAL** 

Reserves Blocked Under 7.5 M Buffer Zone=141503 m<sup>3</sup>

Reserves Blocked Under Safety Slopes=413187  $m^3$ 

#### MINEABLE RESERVES

S. No.	Category of Reserves	Reserves in Reserves in
1	Proved	388650 5 1107682
	TOTAL	388660 1107682

Reserves of the buffer zone:

Area of buffer zone x average depth x recovery factor

= 4965 (662 x 7.5) X 30 = 148950x  $0.95=141503 \, m^3$ 

Total Mine able Reserves=Total Geological Reserves - Reserves

Blocked under buffer zone i.e. =  $943350-141503 = 801848 m^3$ 

Reserves Blocked under Bench Slope = 657 X 662 = 434934x0.95 = 413187  $m^3$ 

Total Mineable Reserves =  $801848 - 413187 = 388660 \, m^3$ 

Net Mineable Reserves of Road Metal in Q L. applied area =  $388660 \, m^3$ 

Total Mineral waste available in Q L. applied area =  $20456 \, m^3$ 

Total Mineral Over Burden available in Q L. applied area =  $291909 \, m^3$ 

#### (v) Mineable Reserves and Life of the Quarry:

Initially, the total quantity of mineable reserves is considered as (economic) marketable reserves. In this way a total mineable reserves of  $388660 \, m^3$  or 1107682 tons of Road Metal is available in this Q.L. applied area. The production is proposed to obtain  $22578 \, m^3$  64346 tons per year. At this rate of production, the expected life of the quarry is calculated as given below.

# (vi) Anticipated Life of the Quarry:

Mineable Reserves of RM / Average Annual production in cbm

= 388660/22578=17.21 (or) 17.00 Years.

Mineable Reserves of RM / Average Annual production in tones

= 1107682/64346=17.21 (or) 17.00 Years.

#### 3.0 MINING

# (i) OPEN CAST MINING METHOD (Mining Carried out)

i) This is a new Quarry. The mining will be carried out by opencast other than fully mechanized mining method with drilling and blasting. The ROM will be sized and sorted the crusher which is going to establish south side of the quarry lease applied area and loaded on to tippers and tractors using JCB. Mining are carried out by formation of bench of height 6 mts. The details and sections are depicted on **Plate-5**.

(ii) Year wise tentative excavation in Cubic Meters indicating development, ROM, Pit wise: About 13000m of excavation out of which intended ROM 118830m<sup>3</sup> of Road Metal will be mined by forming two benches of 6.0 m each two benches of 4.5m for OB. The year wise details are tabulated below:

Table 3

				OKINS	PRODU	CTION	
Year	Working areas m²	Bench height m	Volume m³	RESERVES OF AGGREGATE @ 95% IN m <sup>3</sup>	RESERVES OF AGGREGATE @ 2.85/ m <sup>3</sup> in M.Tons	Rock Waste @ 5% in m <sup>3</sup>	ОВ
	2600	4.5	11700				11700
	2345	4.5	10553				10553
1 <sup>st</sup> year	2099	6	12594	11964	34098	629.7	
	1860	6	11160	10602	30216	558.0	
			23754	22566	64314	1188	22253
	2600	4.5	11700				11700
	2345	4.5	10553				10553
2 <sup>nd</sup> year	2099	6	12594	11964	34098	630	
	1860	6	11160	10602	30216	558	
			23754	22566	64314	1188	22253
1	2600	4.5	11700				11700
	2346	4.5	10557				10557
3rd year	2100	6	12600	11970	34115	630	
	1861	6	11166	10608	30232	558	
			23766	22578	64346	1188	22257
	2600	4.5	11700				11700
	2346	4.5	10557				10557
4th year	2100	6	12600	11970	34115	630	
	1862	6	11172	10613	30248	559	
			23772	22583	64363	1189	22257
	2600	4.5	11700				11700
	2346	4.5	10557				10557
5th year	2101	6	12606	11976	34131	630	
	1863	6	11178	10619	30264	559	
	13000		23784	22595	64395	1189	22257
	AND TOTA		118830	112889	321732	5942	111263
AVE	RAGE TOT	AL	23766	22578	64346	1188	22253

<u>1<sup>st</sup> year</u>: During first year operations it is proposed to develop the South side by covering the face into two benches of 6m height each for Road metal and two bench of 4.5m for OB. The workings will be carried out over an area of  $2600\text{m}^2$  for OB &  $2099\text{m}^2$  for Road metal RL 270m to 249m. The benches will be oriented in EW direction and obtained about  $22566\text{ m}^3$  or 64314 tones of **Road metal**,  $1188\text{ m}^3$  of mineral waste and  $22253\text{ m}^3$  **OB** in this year.

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**2<sup>nd</sup> year:** During second year operations it is proposed to develop the North side by covering the face into two benches of 6.0 m height each for Road metal and two benches of 4.5m for OB. The workings will be carried out over an area of  $2600\text{m}^2$  &  $2099\text{m}^2$  RL 274m to 253m. The benches will be oriented in EW direction and obtained about  $22566\,\text{m}^3$  or 64314 tones of **Road metal**,  $1188\,\text{m}^3$  of mineral waste and  $22253\,\text{m}^3$  **OB** in this year.

<u>3<sup>rd</sup> year</u>: During third year operations it is proposed to develop the North side by covering the face into two benches of 6m height each for Road metal and two benches of 4.5m for OB. The workings will be carried out over an area of  $2600m^2$  &  $2100m^2$  RL 280m to 259m. The benches will be oriented in EW direction and obtained about  $22578m^3$  or 64346 tones of **Road metal**,  $1188m^3$  of mineral waste and  $22257m^3$  **OB** in this year.

**4<sup>th</sup> year**: During fourth year operations it is proposed to develop the North side by covering the face into two benches of 6m height each for Road metal and two benches of 4.5m for OB. The workings will be carried out over an area of  $2600\text{m}^2$  &  $2100\text{m}^2$  RL 285m to 264m. The benches will be oriented in EW direction and obtained about  $22583\,m^3$  or 64363 tones of **Road metal**,  $1189\,m^3$  of mineral waste and  $22257\,m^3$  **OB** in this year.

**5**<sup>th</sup> **year**: During fifth year operations it is proposed to develop the North side by covering the face into two benches of 6m height each for Road metal and two benches of 4.5m for OB. The workings will be carried out over an area of  $2600\text{m}^2$  &  $2101\text{m}^2$  RL 290m to 269m. The benches will be oriented in EW direction and obtained about  $22595\,m^3$  or 64395 tones of **Road metal**,  $1189\,m^3$  of mineral waste and  $22257\,m^3$  **OB** in this year.

(iii) **Dump Management:** There is proposal for Dump Yard in South West side of QL applied area with size of 4266 so into in step dumping method up to 25m. Retaining wall and Garland Drain is proposed down side of Dump yard for the protection from rain water. Waste can be dumped in this area and also in 7.5 mts Buffer Zone.

Year Wise	Intercalated Waste@5% + OB
1st Year	1188+22253
2nd Year	1188+22253
3rd Year	1188+22257
4th Year	1189+22257
5th Year	1189+22257
Total	5942+111263

# Lay out of Mine Workings, pits, roads, etc.

The Lessee intends to extract Road Metal production to the tune of ROM 118830 m<sup>3</sup> of Road Metal during the Mining Plan period on Plate No.5.

During this period, it is proposed to exploit the Road Metal from the total area of 13000m<sup>2</sup> to an average depth up to 21 m over the lease Proposed area from South to North RL 260 to RL 298 m as shown on **Plate 5**.

There is no problem in the quality of Road Metal which confirms to the specifications Aggregates.

The Lessee proposes to carry out mining by opencast other than fully mechanized method with drilling and blasting. The mineral will be sized and sorted in crusher for desired size separation. Trucks / tippers will be deployed for transportation **Plate- 5.** 

# 1.1 Drilling and Blasting:

**1.2 Drilling and blasting plays an important role for extraction Rom of Road Metal.** The primary drilling is done with Crawler drills of 4.5" diameter and secondary drilling is done with jackhammers and compressor. The compressor attached to the wagon drill has 450 CFM capacity and compressor attached to jacks can cater needs of 2 jackhammers. Tippers are of 20 T capacity will be utilized for transportation from the leased area to crusher.

# **Broad parameters of blasting:**

H = Height of bench = 10 m L = Length of drill hole = 11 m B = Burden = 3.0 m S = Spacing = 3.5 m D = Diameter of the blast hole = 100 mm  $V_R$  = Vol., of broken Rock = B \* S \* L = 3.5 \* 3 \* 10 = 105 m³ Volume of rock generated from one hole = 105 x 2.5 sg = 262.5 T

After blasting the rock, the excavator is used for loading rocks. The oversize buildings are dealt with secondary blasting. The material thus transported is fed to 250 TPH capacity crushing plant. The products are stored separately from where they are dispatched to customers.

# **Explosive consumption:**

Taking on powder factor basis, with a PF of 4-total explosive needed per year is 10,00,000/4 = 250 Tons.

#### **Explosive used:**

The proponent should get permission to use ANFO and also got permission under MMR 106 (2(b)) for deep hole drilling and blasting. The explosives that are used in the quarry are ANFO, cartridge slurries for booster, Pentolite boosters and other blasting accessories.

Storage of Explosive/ Ammonium Nitrate:

The proponent should have approved explosive magazine 1 with capacity of 4.5 tons. Thus each magazine has filling permission for 10 times per month i.e. 90 tons the magazines can cater the need of explosive storage requirement. Ammonium Nitrate storage license of 100 tons at a time and twice in a month i.e., 200 tons of Ammonium Nitrate can be used in a month The client has also obtain permission for ANFO mixing shed, where the ANFO is mixed.

# **Deployment of Machinery**

The mining machinery and equipment proposed to be deployed in the mine for different mining operations during the plan period are described in the table below:

Table-5.

**Details of Mining Machinery Required** 

Purpose	Type of machinery	Capacity & Nos.	Make Atlas capco
1. Breaking	Crawler drill 4.5"	100 mm dia 450 cfm / 2 nos.	СР
2. Loading	Loader / Excavator	2 no.	
3. Haulage	Tippers	25- tonner, 6nos	
4. Water tanker	Tractor type 1 no		

- a) Conceptual Mine Planning: The worked out pit will occupy an area of 13000 m<sup>2</sup> or 1.3000 Hectares to a depth of 21 m reaching 270 m (FRL) at the NW portion of the quarry lease area. The area occupied by internal roads would be 0.0350 Hectares; while plantation will be occupying an area of 0.1125 Hectares on the South side of the Q.L applied area. The Conceptual plan with Sections is enclosed as Plates 6.
- (b) UNDERGROUND MINING: NOT APPLICABLE.

#### 4.0 MINE DRAINAGE

- a) The Q.L. Applied Area is over an elevated mound to a height of 38.0 m above ground level. Rain water constitutes are drainage Compartment of the area. Normal course of drainage is a sheet wash over lower reaches and flows through the seasonal nala located on South of Q.L applied area. Groundwater level is observed to be ranging in depth from 40-50 m bgl in the nearby agricultural fields.
- b) The maximum height of the working level is 298 m while the minimum level of working would be 260 m.
- c) Quantity and Quality of Water: The quality and quantity of water cannot be estimated as the mine workings are at much higher levels of the groundwater table. However, the water is tasted in the nearby agricultural field and the quality of water is found to be potable.
- d) Regional and Drainage Pattering: The entire Q.L. Applied Area is over a sloping terrain and only sheet wash is anticipated during monsoon in the Q.L applied area. Regional drainage pattern is observed to be dendritic to subdendritic in nature.

#### 5.0 STACKING OF MINERAL REJECTS, SUB-GRADE & DISPOSAL OF WASTE

There is no mineral reject or sub-grade mineral in this quarry. However, about 5% interstitial voids and intercalated waste is anticipated which is computed separately. This will be utilized for the formation of internal roads and balance utilized to form a barrier all along the 7.5m buffer zone of the Q.L. Applied Area to a height of 2.0m.

#### **6.0 USE OF MINERAL & MINERAL REJECTS**

The ROM will be fed in to the sale by the applicant for nearest crushing plants where it will be crushed to desired sizes and utilized for the State & National Highway projects from Banaganapalli to Nandyal. Entire ROM is intended to use for crushers.

#### 7.0 PROCESSING OF ROM & MINERAL REJECTS

In this area ROM will be sized and sorted in crusher for Road Metal and input to hot mix plant. There is no Mineral Reject from this Quarry.

#### 8.0 OTHERS

It is proposed to provide the site services like Mines office and other statutory constructions like rest shelter, first aid, work shed and drinking water as

required in the lease area. Separate Shelter and tollets for Gents & Ladies will be provided at the Crusher area. Drinking water will be supplied to the workers from the bore well opened in the adjacent agriculture field.

	The state of the s	
Infrastructure facility	Location	Remarks
1. Roads	From the public road to the benches within and outside the lease	Kaccha road by using the waste from the mine with width of 10m
2. Office	Within the lease	Made of GI sheets with a dimension 8mx3m
3. Rest Shelter/cant een	Within the lease	Made of GI sheet with a dimension 10mx4m
4. First aid room	Within the lease	Made of GI sheet with a dimension 4mx3m

#### a) Employment Potential:

<ul><li>a. Mines Manager(Foreman)</li></ul>	-	1
b. Manager	-	1
c. Supervisor	-	1
d. No. of Drillers	-	6
e. Compressor Operator	-	1
f. Excavator Operator	-	1
g. Excavator Helper	-	1
h. Wire saw operator	-	1
i. Tipper Driver	-	1

# b) Safety Precautions/Safety Gear to the Personnel:

- . 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 Boots, Ear Muffs/Plugs, Helmets to all the personnel and goggles for Drilling crew.
- Un-authorized personnel/trespassers will be prevented from entering The quarry.

# c) Training and Safety

- The quarry personnel will be trained in their respective skills by Sponsoring them to nearest Vocational Training Centers.
- The quarrying equipment will be maintained as per the standards
   Prescribed under MMR 1961

Development in their respective field, from the nearest authorized 'Vocational Training Centre' periodically.

# d) Amenities to the site personnel;

All amenities as per labour laws like shelter, food and other welfare facilities will be provided by the applicant.

# PART-B

# PROGRESSIVE MINE CLOSURE PLAN UNDER RULE 23 OF MCDR' 1988

#### 1. ENVIRONMENT BASE LINE INFORMATION

a) Existing Land use Pattern: The Q.L. Applied Area is a forest land. An area of about 13000 m<sup>2</sup> will be broken to win the mineral. An area of 1125m<sup>2</sup> is proposed for a forestation. The Q.L. Applied Area is a barren land and surrounding area no forest and cultivated lands. (Plate-7)

S.NO.	Period	Item	Area In Sq. Mts	Area In Hects
1	Surface Plan	Mined out area	Nil	Nil
		Road	600	0.0600
		Un mined area	26600	2.6600
		Buffer Zone	5900	0.5900
		Total Area	33100	3.3100
	End of the	Mined out area	13000	1.3000
	plan period	dump yard	4266	0.4266
		Un mined area	9934	0.9934
		Buffer Zone	5900	0.5900
		Total Area	33100	3.3100
	End of the	Mined out area	22934	2.2934
	Conceptual	dump yard	4266	0.4266
	Plan period	Un mined area	0000	0.0000
		Buffer Zone	5900	0.5900
		Total Area	33100	3.3100

b) Human Settlements: The Q.L. Applied Area is surrounded by 4 villages. The main occupation of the local people is legitculture, Sheep rearing and business. The details of villages, location, distance and population are given in the following table:

		- Control of the Cont		
S.No.	Name of the village	Population	Distance in km	Directions
1	Yagantipalle	2052	1.9	North
2	Bagaganapalli	36056	3.9	East
3	Mirapuram	2189	3.0	NW
4	Battalurupadu	626	4.0	NE
5	Patapadu	2109	3.5	NW
		The state of the s		

- c) Public buildings, Places of Worship and Monuments: No buildings or places and Monuments are witnessed in the Q.L applied area.
- d) Indicate any Sanctuary is located in the vicinity of the leasehold:

  No Sanctuary, eco-sensitive areas etc. are located in the vicinity of the leasehold.

# e) Flora and Fauna

The subject area is most of the area is covers rocky terrain and does not consists any major trees or major vegetation. Except the presence of reptiles and other minor wild life like rabbits, field rats etc., no major wild life exists in this area.

#### 2. ENVIRONMENTAL IMPACT ASSESSMENT:

- (a) Land Area Degraded: An area of about 13000 m<sup>2</sup> will be degraded for the working pit; and Roads 250 m<sup>2</sup>.
- **(b) Air Quality:** Road Metal mining do to some extent generates dust during drilling and blasting. This would be minimized by usage of moist clay, sprinkling of water at blasting site and haulage roads. Masks, earplugs and safety goggles will be provided to the workmen at mine to avoid the negative impacts of dust arising.
- (c) Water Quality: The subject area is far from industries and as such water is not polluted. The water drawn from bore wells will be supplied to workmen for drinking.

- (d) Noise Levels: The Q.L. Applied Afea is quite far from the habitation area situated 1.0 Kms away from Bhanumukala Village. Noise is anticipated from drilling, blasting and movement of vehicles. As the quantum of mining is on a small scale the noise generation would be well within the limits. Therefore, the noise pollution is expected to be negligible in the area. However, the Lessee will take all precautions during drilling and blasting by providing mufflers.
- (e) Vibration Levels due to Blasting: As the proposed drilling is to some extent and mostly with tractor mounted compressor and blasting the vibration levels will be maintained to be within the limits.
- **(f) Water Regime:** Mining of Road Metal will be carried out on top portion of the mound in the Q.L. Applied Area to a depth of 21.0 m and in a closed environment limited to working pit. The mining activity proposed would not intersect water table of the area. The water table is observed to be 40-50 m in the adjacent boreholes of agricultural lands.
- (g) Acid Mine Drainage: Not applicable.
- (h) Surface subsidence: There will not be any surface subsidence as all the benches and ramp ways will be thoroughly rolled for hard surface.
- (i) Socio Economics: Mining of Road Metal will create some employment opportunities to local villagers thereby generating income and improvement in livelihood of local villagers and revenue to Government by way of paying royalty.
- (j) Historical Monuments: No Historical monuments are located near and around the Q.L. Applied Area .
- **(k) Bio-diversity:** The slopes of the subject area consist of scattered bushes. There is no report of existence of wild animals in this region.
- **3. Progressive Reclamation Plan:** Mining activity will be carried out till the completion of state highway projects etc and the worked out pit will be protected with barbed wire and the mined out pit will be used as storage water pit. Hence, Progressive reclamation is not studied and will be planned in the first scheme of mining.

**4. Mined out Land:** No mined out land will be formed during this Plan period as mineral is existing much below the proposed workings during this plan period.

		Carlo 24	是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	
S.NO.	Period	Item	Akea In Sq. Mts	Area In Hects
1	Surface Plan	Mined out are	Mona 3	Nil
		Road	600	0.0600
		Un mined area	26600	2.6600
		Buffer Zone	5900	0.5900
		Total Area	33100	3.3100
	End of the	Mined out area	13000	1.3000
	plan period	dump yard	4266	0.4266
		Un mined area	9934	0.9934
		Buffer Zone	5900	0.5900
		Total Area	33100	3.3100
	End of the	Mined out area	22934	2.2934
	Conceptual Plan period	dump yard	4266	0.4266
	rian period	Un mined area	0000	0.0000
		Buffer Zone	5900	0.5900
		Total Area	33100	3.3100

The land that will be broken in the successive conceptual periods (the Life of the quarry is anticipated to be 17.00 years as of present).

#### LAND USE

The on-going mining and the downstream activities have covered the lease hold for about 2.3166 Hectares as detailed below

9	Un touched area	9934	0.9934
8	Total	23166	2.3166
7	Plantation(In Buffer Zone)		
6	Ramp Area, Internal Road Ways		
5	Buildings(In Buffer Zone)		
4	Stock Yard		
3	Dump Yard	4266	0.4266
2	Buffer Zone Area	5900	0.5900
1	Working Pit	VO93000	1.3000
S.No	Item	a Ho Ma	In Hects.

# Proposed for reclamation of land affected by quarrying activity during and at the end of mining

No reclamation is envisaged in the life of the quarry as there are adjacent quarries that are operation. This point will be dealt while the cluster guidelines are received. Hence, no reclamation proposals are made.

#### **Plantation Program me:**

The quarry lease area is scanty suitable for plantation as most of area is rocky. There are chances of tree growing in the East side of the quarry lease area. However it is proposed to plant a few trees in the East side of the buffer zone of quarry lease area. It is also proposed to plant a few trees nearby village area in the place shown by the village panchayat. The details of proposed plantation are shown below.

#### **Details of Year wise Plantation Plan**

Year	Year wise area in sq.mts	Year wise area in Hectares	Number of Plants	Remarks
1 <sup>st</sup> Year	225	0.0225	30	
2 <sup>nd</sup> Year	225	0.0225	30	
3 <sup>rd</sup> Year	225	0.0225	30	50% of survival is
4 <sup>th</sup> Year	225	0.0225	30	envisaged.
5 <sup>th</sup> Year	225	0.0225	30	
Total	1125	0.1125	150	

All around the quarry that is in the buffer safety zone of 7.5 meters as per AP PCB and MOEF rules, around the quarry attempts will be made to grow plants with local arrangement of drums filled with mud. Thus it is envisaged that around 30 plants will be planted and taken care of in one year. Thus the area available around the periphery will be sufficient for around 10 years.

Although the area in general is fertile the location where the quarry is situated is totally rocky. Expect for some wild growing medium sized plants that grow in the cracks of boulders; there are no notable species in the area. However trees like Neem, Ashoka, Mango, and local species Peepal are found in and around. Therefore these three species are planned for plantation. Maintenance of these plants that are grown in the buffer zone will be taken care by the quarry management. The plants that will be grown in the village will be taken care by the management, in coordination with the panchayat members.

- **5. Top Soil Management:** Black cotton soils are covering the Road Metal on Top of the QL applied area with thickness of about 1.5.m and OB up to 9.0 mts which can be used as Gravel.
- 6. Tailing Dam Management: No tailing dam is required.
- 7. Disaster Management and Risk Assessment: In this area mining does not involve disaster of land etc., except degradation of land. No flooding, subsidence, land slide occur in the region. The Mines Manager will take the responsibility in the event of any unto ward incident.

In event of any emergency the Contact person is:

Sri.Y.Mahendranath Reddy,

H.No: 2-41, Fort Area,

Banaganapalle -518124,

Kurnool District.

Andhra Pradesh State.

Pin Code of Lease applied Area: 518124.

E-mail:gmrstonecrushers9009@gmail.com

Contact No.9440821279.

### 8. Care and Maintenance during temporary discontinuance:

An emergency plan to deal with the situation of temporary discontinuance or incomplete program me due to court order / due to statutory requirements or any other unforeseen circumstance will be drawn by the technical and managerial person to suit the specific situation of this mine. This would be reviewed and modified to suit changing conditions and needs. This would take care of preventing of access to dangerous places, pits and prevent accidental fall in to the water logged pit of animals and men. Security is also to be looked in to the safety measures placed at various places like firefighting equipment, main switches etc. Security to be deployed at Explosive storage.

The mining is yet to commence. As mining continues till then the question of discontinuance does not arise. However, any untoward incidence happens the safety of the mining area will not be disturbed. Security / Watchmen will be posted at the mine site for watch and ward.

Item	Details	Proposed	Actual	Remarks
Dump Management	Area afforested (ha) No. of saplings planted Cumulative no of Plants Cost including watch and care during the year	Not proposed	Nil	
Management Worked out benches	Area available for rehabilitation.	Not proposed	Nil	
Reclamation and Rehabilitation by back filling	Void available for Backfilling (LXBXD) pit wise/slope wise Void filled by waste/tailing A forestation on the backfilled area Rehabilitation by making water reservoir Ant other means	Not proposed	Nil	
Rehabilitation of waste land, within lease	Area available (ha) Area rehabilitated Method of rehabilitation	Not proposed	Nil	

### 9. TIME SCHEDULING FOR ABANDONMENT

As the quarrying in the lease applied area is active proposal of abandonment is not proposed in next 5 years period

### 9.1 ABANDONMENT COSTS

### FOR THE FIRST FIVE YEARS

		Area (Ha)	Quantity	Expenditure	Remarks			
Items	Details			(Rs)				
		Proposed	Proposed	Proposed				
	Back filling	Yes		N.A	Backfilling will not be done during the first five year plan period. So cost is not included.			
Reclamation & Rehabilitation of mined out land	Afforestation & back filled Area	Nil						
	Others (Erecting the Barbed Wire fence around the QL area)	Nil		N.A				
mined out land	Pisciculture	Nil			No cost is involved for			
	Converting into water reservoir						converting the quarry pit into a water Harvesting Structure/ Pisciculture tank. As the pits gets filled during rainy periods and rise in the water table if any in the area	
	Picnic Spot	Nil						
Stabilization & Rehabilitation of Dumps (within lease)	Terracing	Nil						
	Pitching	Nil						
	Construction of retaining wall at Toe of Dumps	Yes	141m x 3m	Rs.35250				
	Construction of Chec k dams	Yes		r				
	Construction of garland drains	Yes	147m	Rs.22050				
	Desilting of settling ponds, channels	Yes						
	Afforestation on dumps	N.A						
	Others (please Specify)							
Rehabilitation of barren area	Green Belt	0.1125 m <sup>2</sup>	1125 m²	Rs. 330000				
within Lease	Others (Please Specify)							
	Ambient air quality							
Environmental	Water quality			Rs 30,000 per				
Monitoring (Core zone & Buffer	Noise Level survey			per Annum)				
zone)	Ground Vibration			(For 5 years Rs. 1,50,000)				
	Others (Please Specify)							
	Total	0.1125		Rs 5,67,300				

10. Financial Assurance:

Financial Assurance:

Financial assurance can be submitted in any en cashable from preferable a bank guarantee from a Scheduled Bank at the rates equivalent to rates prescribed for next 5 years period expiring at the end of validity of the document.

The proposed mining operations are by Semi Mechanized of quarrying and by shallow drilling and blasting means and hence the cost of reclamation & rehabilitation is calculated as per the provisions of GO Ms No.53 Dated: 27-02-2019, Dept of Com & Industries, Govt. of A.R. the minimum financial assurance in the form of Bank Guarantee for Rs:50,000/- for below 5.000 hects. will be submitted to the Assistant Director, Department of Mines & Geology,

Banaganapalle at the time of Execution of lease deed

S1. No.	Head	Area put on use at the start of SCHEME	Additional requirement during the SCHEME period (Ha)	Total (in Ha.)	Area considered fully reclaimed and rehabilitated	Net area considered for calculation
1	2	3	4	5	6	7
1	Area under mining	0.0000	1.3000	1.3000	Nil	1.3000
2	Storage for top soil					
3	Overburden dump	0.0000	0.4266	0.4266	Nil	0.4266
4	Mineral storage				Nil	
5	Infrastructure	0.0000	0.0250	0.0250	Nil	0.0250
6	Roads	0.0000	0.0250	0.0250	Nil	0.0250
7	Railways			_		-
8	Tailing pond					
9	Others					-
	SUB- TOTAL	0.0000		1.7766		1.7766
	Green Belt		0.1125	0.1125		0.1125
	Virgin area	0.0000		1.4209	Nil	1.4209
	TOTAL	3.3100		3.3100		3.3100

### 11. Certificate:

Certified that the above mentioned points will be taken care in the Mining Plan for Road Metal over an extent of 3.960 hectares (9.781 Acres) in Compartment. No.313 of Bhanumukkala Village, Banaganapalle Mandal, Kurnool District, Andhra Pradesh State.

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

All the measures proposed in this Mining Plan will be implemented in a time bound manner as proposed.

### 11.1 Plan, Section etc,

Plans and Sections are submitted along with Mining Plan.

Place: Banaganapalli.

**Applicant** 

4 Mohendra North Reddy

(Sri.Y.Mahendranath Reddy)

**RQP & Consultant Geologist** 

(G.Eswar Reddy)

Mining Plan is approved subject to the

Conditions/Stipulations indicated in the Mining

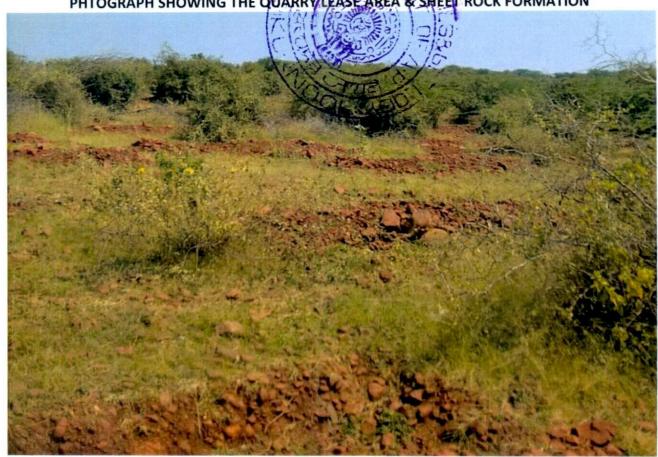
Plan Approval Letter No. 200 MR 202 Dated . 05 10 2022

Deputy Director of Mines & Geology, CFAC

KURNOOL

32

PHTOGRAPH SHOWING THE QUARRY LEASE AREA & SHEET ROCK FORMATION



PROPOSED WORKING AREA



### BOUNADRY PILLARS



















Date:17/07/2017 Time: 3:30 PM

### MINERAL CONCESSION APPLICATION

Date of Payment: 17/07/2017

Center Name

ESEVA-FKL090

Transaction Id:

TAMIN011700057575

Applicant Name:

Y MAHENDRANATH

Application No:

MIN011700057575

Other Quarry Lease

Category Of

Fresh Application

Chanlian No:

20878

REDDY

Applications:

3.97 Hectars

Type of Applications

Extent Applied:

Amount Paid (in Rs.):

185.00 (Rs.35 User Charges, Rs.150 Courier Charges)

Time Limit For Final Disposal: Within 180 working days from requested date .

As the Service Tax 12.36 % is added to existing postal charges, Existing Charges Rs.33/Rs.46. New Charges (Rs. 37 / Rs. 52) will effect from 1st September 2014.

To know the Application Status, Please visit www.meeseva.gov.in.

Note: The Kiosk operator must Courier the Mineral Concession Application form along with all supporting documents to respective Asst. Director M&G. The Courier amount Rs. 150/- Shall be collected from the applicant.

> V. Manidhar Mee Seva Centre 40/837-2, Near S.B.I. Main

Branch, KURNOOL-313 534

35

GOVERNME TO A TOTAL BESH
FOR IS TOTAL BESH
FOR IS TOTAL BESH
Kurnool
Ms. Suman CiOlal 15 S.,

District Fores

Rc.no.815/2019/H5, Dated: 18-08-2021

Sub: APFD - F(C)Act, 1980 - Proposal for diversion of forest land to an extent of 3.96 Ha (Mining Area-3.31 ha, Safety Zone area-0.59 ha & Road area-0.06 ha) of Forest land for grant of quarry lease for road metal in Compt.No.313. G.A Bad South Reserve Forest, GA Bad Beat, Banaganapalli Section, Dhone Range of Kurnool Division in favour of Sri Y.Mahendranath Reddy S/o Y.Maddilety Reddy, R/o Banaganapalli - Additional information requested - Reg.

Ref: PCCF & HoFF, AP, Guntur Ref.no.EF502-15029/4/2019-FCA SEC-PCCF /FCA-1, dt.12.08.2021.

A copy of the above reference is sent herewith.

It is informed that in the reference cited, the Principal Conservator of Forests & HoFF, A.P., Guntur has issued instructions that, during the video conference on 08.07.2021 with GoI, MoEF&CC, New Delhi on the issue of approved mining plan. The GoI, MoEFF&CC, New Delhi issued instructions to furnish the approved mining plan at the initial stage itself i.e., at the time of processing the proposal for \$tage-I approval. Further, the Principal Chief Conservator of Forests, (HoFF), AP, Guntur has also instructed the user agency to submit the approved mining plan for the subject proposal.

Hence, the further, the Forest Range Officer, Dhone is requested to allow the user agency and the representative of Mining Department authorized by Director of Mines and Geology! A.P., Ibrahimpatnam for entry into forest and for inspection of precise forest area proposed for mining purpose and also he is requested to deploy the concerned forest staff.

Encl: As above

Sd/-Ms.Suman Beniwal District Forest Officer Kurnool

To

The Forest Range Officer, Dhone Range

Copy to the Assistant Director of Mines & Geology, Banaganapalli for information and necessary action.

Copy to Sn Y.Mahendranath Reddy S/o Y.Maddilety Reddy, R/o Banaganapalli (V) 8 (M), Kurnool District.

Technic

//t.c.b.o//



From
Sri N. Prateep Kumar, IFS.,
Prl. Chief Conservator of Forests &
Head of Forest Force.
Another Bradesh.

Andhre Predesh, K.M. Munshi Road, Guntur - 522 004. ers, Krishna District.

### Ref. no. EFS02-15029/4/2019-FCA SEC-PCCF/FCA-1, Dated:12.08.2021.

Sir.

Sub: APED - F (C) Act, 1980 - proposal for diversion of forest land over an extent of 3.96 ha. in Compartment no.313, Gulamaliabad South Reserve Forest, Dhone Range, Kurnool Division & District in favour of Y. Mahendranath Reddy for grant of quarry lease for road metal- Additional information requested - Reg.

Ref: Director of Mines and Geology, Vijayawada Lr.no.219982/R4-2/2017, Dt.03.12,2018

\*\* COMBON\*\*\*

With reference to the letter cited, it is informed that the subject proposal forwarded in the reference cited has been examined as per the check-slip communicated in PCCF & HoFF, A.P., Lr.no.45921/2021/FCA-4, dt. 15.06.2015 & 07.12.2017, which is upited by the Hon'ble High Court in the Judgment pronounced in WP No.20102/2019 dt.27.01.2021, and found that the following information was not furnished by the Director of Mines & Geology, A.P., Ibrahimpatnam as per the proformae communicated by this office on 07.12.2017.

Details of other mining leases for particular mineral (Road metal) with their capacity, average annual production and projected future requirements.

Further, it is requested to recall the discussion held during video conference on 08.07.2021 with Gol, MoEF&CC, New Delhi on the issue of approved mining plan. The Government of India, MoEF&CC, New Delhi issued instructions to furnish the approved mining plan at the initial stage itself i.e., at the time of processing the proposal for Stage-I approval.

The authenticated DGPS surveyed sketch of the proposed forest area with geo-coordinates duly indicating land use plan for mining, safety zone, approach road in respect of the subject proposal is sent herewith. Further, necessary instructions are being issued to the User Agency to furnish draft mining plan based on the above precise area arrived after conducting DGPS survey, to the Director of Mines and Geology, A.P., Ibrahimpatnam for necessary action. The Director of Mines and Geology, A.P., Ibrahimpatnam / the representative authorized by him, may approach the Divisional Forest Officer, Kurnool for entry into forest and inspect the precise forest area proposed for mining purpose.

The Director of Mines & Geology, A.P., Ibrahimpatnam is requested to take necessary action to furnish the approved mining plan by getting it from the

subject proposal, for taking further action to the above

Enci: - As above.

rateep Kumar
Inservator of Forests &

Depy to Sri. Y. Mahendranath Reddy, H.No.2/23-4-16, near G.M. Talkies, Banaganapalis (V) & (M), Rumool District and he is requested to furnish draft mining plan to the DMG, A.P., Ibrahimpatnam for taking necessary action as per Forest Conservation Rules, 2003 and the guidelines issued under the Forest (Conservation) Act, 1980.

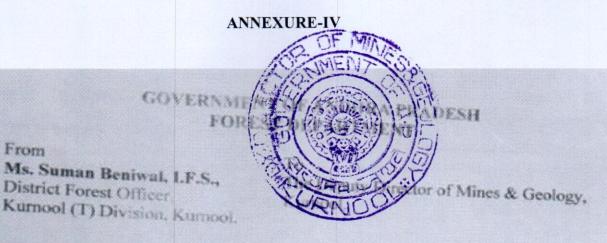
Copy to the Conservator of Forests, Kurnool for information.

+

Copy to the Divisional Forest Officer, Kurnool for information and he is requested to allow the representative of Mining Department authorized by DMG, AP and also the User Agency for inspection of precise forest area proposed for mining purpose, duly following acts abd rules in force.

//LC.b.0//

2/6/2011



Sir/Madam.

### Rc.no.815/2019/H5, dated.14-12-2021.

Sub: APFD - F(C)Act. 1980 - Mines & Quarries - Application for grant of Quarry lease for Road metal over an extent of 3.97 Ha. falling in & District filed by Sri Y Mahendranath Reddy, S/o Y Maddilety Reddy, R/o Banaganapalli - Approved Mining Plan & additional information requested - Reg.

Ref: 1. MoEF&CC, IRO. Vijayawada F.No.4-APC692-2018-CHN/46, dated.29,07.2021 communicated the Minutes of meeting held on 08.07.2021.

2. PCCF & HoFF, AP, Guntur Ref.no.EFS02-15029/22/2020-FCA SEC-PCCF /FCA-1, dt.09.08.2021.

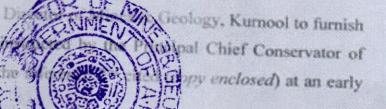
3. DFO, Kurnool Re.no.815/2018-H5, dt.18.08.2021

It is to inform you that, in the reference 2nd cited, the Principal Chief Conservator of Forests & HoFF, A.P., Guntur has informed that as per the minutes of the meeting held on 08.07 2021, the Gol, MoEFF&CC, New Delhi issued instructions to furnish the approved mining plan etc., at the initial stage itself i.e., at the time of processing the proposal for Stage-I approval. The following information are required for processing of the subject proposal.

- Information on other mining leases for particular mineral with their capacity and average annual production and projected future requirements in the State of Andhra Pradesh in respect of the subject proposals.
- 2. Approved Mining Plan by getting the draft mining plan from the user agency for precise forest area.

[P.T.O]

Hence, I request the Deputy Disabove two points information as Forests & HoFF, A.P., Guntur in the state for processing of the proposal



Yours faithfully, Sd/-Ms.Suman Beniwal District Forest Officer Kurnool

Copy to Assistant Director of Mines & Geology, Banagarapalli for information and necessary action.

Copy to the Forest Range Officer, Dhone Range for information and necessary action.

Copy to Sri Y.Mahendranath Reddy S/o Y.Maddilety Reddy, R/o Banaganapalli (V) & (M), Kurnool District for information.

Copy submitted to the Conservator of Forests, Kurnool Circle, Kurnool for favour of kind information.

Sd/-Ms.Suman Beniwal District Forest Officer Kurnool

//t.c.b.o//



GOVERNMENT OF ANDHRA PRADESH, DEPARTMENT OF MINES AND GROLOGY

From

Sri I.V. Subba Reddy, M.Sc., Asst. Director of Mines & Geology, Banaganapalle. The Bendity Director of Mines & Geology, Kurnool.

### Lr.No.2105/QL/2017, dt:14-12-2021.

Sir.

Sub:- Mines & Quarries - O/o Asst. Director of Mines & Geology, Banaganapalle - Quarry lease for Road Metal over an extent of 3.97 Hectares in Compartment No.313, Gulamalaibad South Reserve Forest, Dhone Range, Kurnool Division, Kurnool District - in favour of Sri Y. Mahendranath Reddy for grant of quarry lease for Road Metal - Submission additional information - Reg.

Ref:- 1. Application filed by Sri Y. Mahendranath Reddy on 18.07.2017.

This office proposals Lr.No.2105/QL/2017, dt:18.09.2017.

3. Memo No.21982/R4-2/2017, dt:08.01.2017 from the Director of Mines & Geology, Ibrahimaptnam.

4. Rc.No.815/2019/H5, dt:14.12.2021 from the District Forest Officer, Kurnool.

\*\*\*\*

I invite kind attention to the subject and references cited and submit that through the ref.1st cited, Quarry lease application filed **Sri Y. Mahendranath Reddy** for grant of Quarry lease for Road Metal and Building Stone over an extent of 4.260 Hectares in Comp.No.313 of Gulamaliabad South Block R.F., Banaganapalle section of Dhone Range Kurnool Divisional of Kurnool District.

In this connection, through the ref.3rd cited, the Director of Mines & Geology, Ibrahimpatnam directed to resubmit the proposals keeping in view of the guidelines forwarded by Principal Chief Conservator Forest, Guntur vide Lr.No.45921/2001-FAC, dt:07.12.2017 and also enclosed Proforma —M consisting of 6 points and examine the points and submit the same for taking further necessary action in the matter.

Through the ref.4th cited, the District Forest Officer, Kurnool requested the DDM&G and ADM&G to furnish the additional information of other mining leases for particular mineral with their capacity and average annual production and projected future requirements of the state of Andhra Pradesh in respect of the subject proposals for further processing of the proposals.

In this connection, it is submit that generally the road metal occurs in the Government and Patta lands. Here in this office jurisdiction the road metal huge extent available in the forest land only. The same mineral is not abundantly available in the non-forest areas so there is huge demand for civil constructions road works canal works etc., and there is future needs to overcome the shortage of road metal.



### 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 G. ESWAR REDDY, S/o G. Pakkiri Reddy, R/o No: 13-2-155-1, Pavananilayam, Near R.T.C. Bus Stand, Ananthapuram, whose photograph and signature is affixed herein above, having given evidence of his qualification and experience is hereby granted renewal of recognition under rule 14(2) of Granite Conservation & Development Rules 1999 as Qualified Person to prepare Mining Plan.

Registration Number is:

RQP/DMG/AP/07/2014

This Recognition is valid for a period of 10 years with effect from 22.12.2014

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

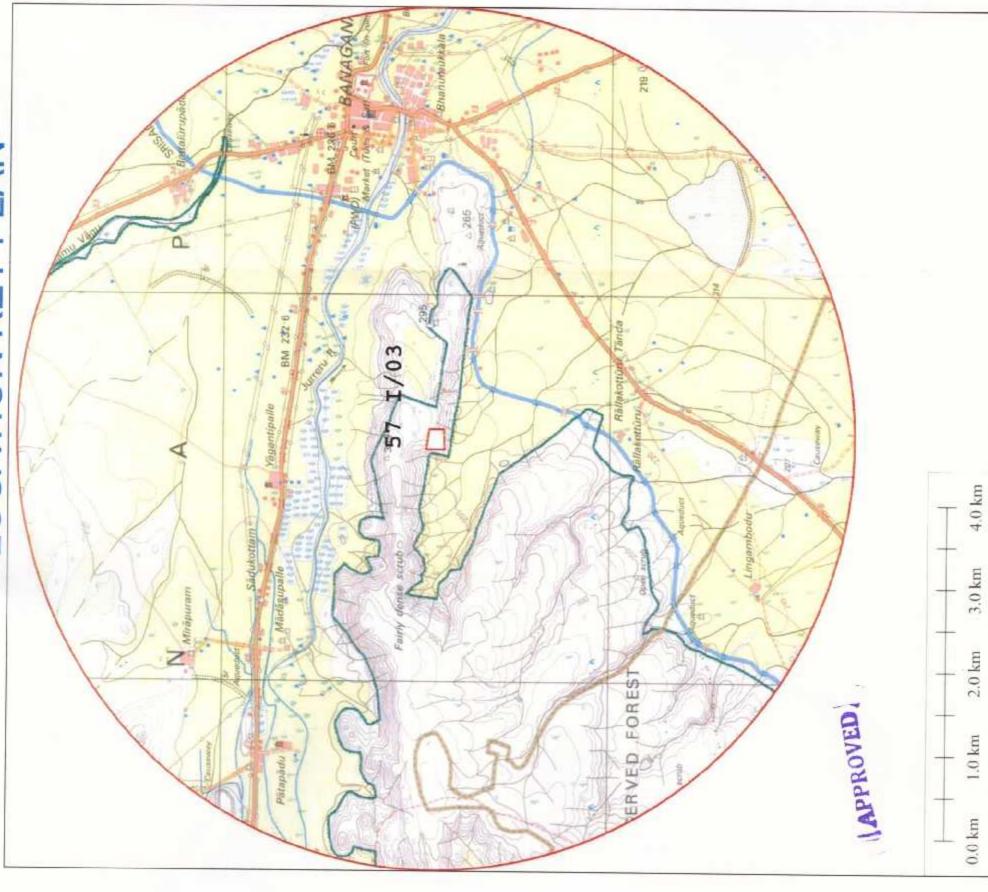
OH. OF A.P.

Place: Hyderabad Date: 22 . 12.2014

Director of Mines & Geology

Director of Mines and Geology Govt. of A.P., Hyderahad

# **LOCATION KEY PLAN**





INDEX

SRI.Y.MAHENDRANATH REDDY

4-Mahendon North Rebdy

Signature of Applicant

Signature of R.Q.P

6. ESWAR RIPIN, M.3c. B.L. Ph.D., Recognised Geologist IB JIROMY 0: 02/2/115/A RCPLDIAL ANDTHEONA THIS IS TO CERTIFY THAT THE INFORMATION IN THIS PLATE IS TRUE AND CORRECT TO THE BEST OF KNOWLEDGE BASED UP ON LEASE MAP AUTHENTICATED BY STATE GOVERNMENT.

7	Location-Key Plan,	Plate No:-I
MININ	MINING PLAN FOR ROAD METAL	ETAL
COM.No	313	
Extent	3.960 Hectare,	
Village	Bhanumukkala	
Mandal	Banaganapalli	
District	Kumool (Dist), AndhraPradesh Stale	ish State.
Scale	1:50000	
Toposheet No 57 I/03	57 I/03 78'56' 52.02392"E,15"00' 551.27351"h	15"00" 551.27351"N
Applicant	SRI.Y.MAHENDRANATH REDDY	REDDY



The Map showing the Proposed for grant of Quarry Lease of Sri Y. Mahendranath Reddy for Road Metal over an extent of 3.960 hectares in Comp.No: 313 of Gulamaliabad South Reserved Forest, Banaganapalle Section, Dhone Range, Kurnool Division,

All Dimensions are in Metric Links

SCALE: 1:2000 True North

interior angles

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Surveyor on Duputation O/o A.D.M&G., Buriaganapalli,

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APPLICANT

TECHNOLOGIES PVL Ltd

APPROVED

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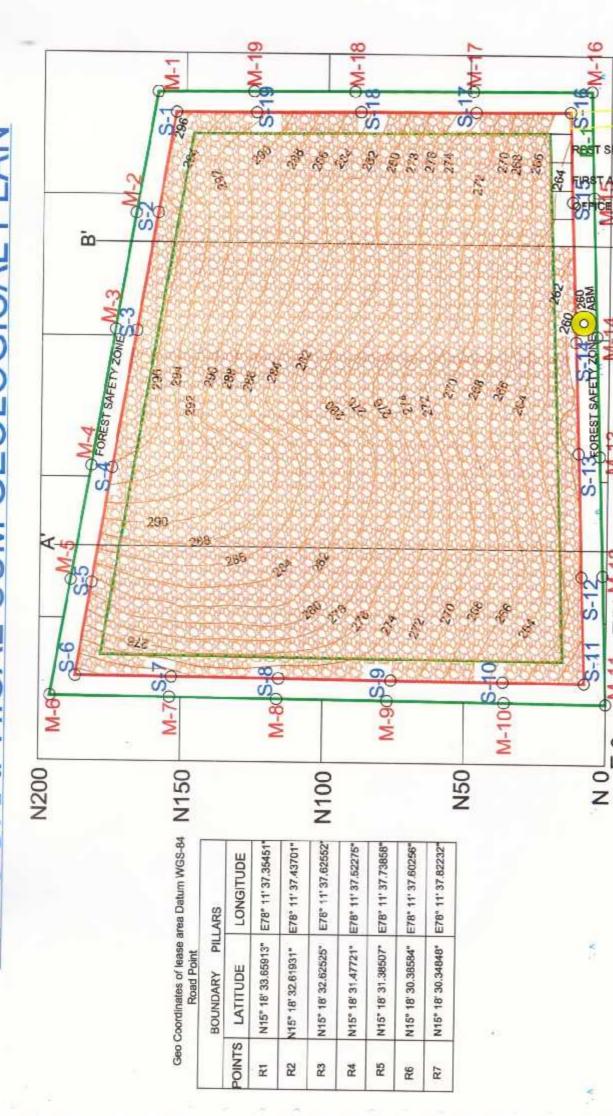
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Asst. Director of Mines & Geriogy (77). Banaganapsili

The strate business constraints between Proposal and by tone sterficials and DSPs area is -0.155 keys -1.550, but it is with replicable entering bease \$300 hearts.

# OPOGRAPHICAL CUM GEOLOGICAL PLAN



Geo Coordinales of lease area Datum WGS-84

		Mining Area	Araa		
	BOUNDARY PII	PILLARS		BOUNDARY PIL	PILLARE
POINTS	LATITUDE	LONGITUDE	POINTS	LATITUDE	LONGITUDE
81	N15" 18" 38.41774"	E78" 11' 37,18131"	SII	N15" 18" 33.58321"	E78* 11" 30.54068"
83	N15" 18" 38.59487"	E78" 11" 35,99812"	812	N15" 18" 33.64816"	E78' 11' 31.80291'
83	N15* 18' 38.80833*	E78* 11' 34,60161*	813	N15" 18" 33.71407"	E78"11"33.25961"
28	N15" 18' 30.05512"	E70" 11' 32.97012"	\$14	N15" 16" 33.77482"	E78' 11' 34.57344'
88	N15" 18' 39.42357"	E78° 11' 30.50474"	315	N15* 18' 33.85196"	E76* 11' 36.22797
SB	N15* 18'39.42357*	E78* 11' 30,50474*	818	N16" 18' 33.89962"	E78* 11' 37.28858*
87	N15" 18' 38.32108"	E78" 11" 30.51362"	517	N15" 18" 34,58337"	E78" 11" 37,26307"
SB	N15* 18' 37.09233*	E78* 11' 30.52739*	818	N15" 18" 36.30362"	E78* 11' 37.23763*
Sa	N15* 18'35.80567"	E78* 11'30.52739*	816	N15° 18' 37.48708"	E78" 11' 37,20687
S10	N15" 18" 34 52312"	E78* 11' 30,53661*			

E78" 11" 36.28376

N15" 18" 33.61008"

M15

E78" 11' 31.63463"

N15" 18" 39.50117"

E78" 11" 34.64672

N15° 18' 33.53603°

M14

E78° 11' 32.98949"

N15" 18' 39 29405"

M4

E78° 11' 37.53538

N15° 18' 33.66085"

M16

N15° 18"-39.70918" E78" 11' 30.26525"

E78" 11'37.50707

N15" 18' 35.01733"

M17

N15° 18' 38,34039" E78° 11' 30,27313"

E78°11'33.23116'

N15° 18' 33.47096"

M13

E78" 11" 34.61186"

N15" 18" 39.05172"

M3

E78" 11" 31.81925

N15" 18' 33,40536"

E78" 11' 30.2997 LONGITUDE

N15" 18' 33.33596"

Ž

E78° 11' 37.42733°

N15° 18' 38.62795"

E78" 11' 35.99152'

N15" 18' 38.84752"

M2

POINTS LATITUDE

LONGITUDE

LATITUDE BOUNDARY

PILLARS

PILLARS

BOUNDARY

E78" 11' 37,45316

N15° 18' 37.53292"

E78° 11' 37,47614

N15° 18' 36.37494"

N15° 18' 37.11196" E78° 11' 30.27807" M18

N15° 18' 35.84373" E78° 11' 30.28629' M19

E78° 11' 30.29395'

N15" 18" 34.50532"

M10

M9

R-600 R-7



# MINING PLAN FOR ROAD METAL

SRI.Y.MAHENDRANATH REDDY IN Compartment.No.313, Ext.3.960, Bhanumukkala (V), Banaganapalli (M) Kumool (District), AndhraPradesh.

# Applicant- SRI.Y.MAHENDRANATH REDDY,

TOPOGRAPHICAL CUM GEOLOGICAL PLAN

S/o Y.Maddilety.Raddy. R/o Banaganapelli Village & Mandal Kurnool District. Andhra Pradesh State.

SCALE:- 191500 CONTOURS INTERVAL: 2.0 m

E250

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Geo Coordinates of lease area Datum WGS-84

Safety Zone Area

S-12

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4. Mahendar North Reddy

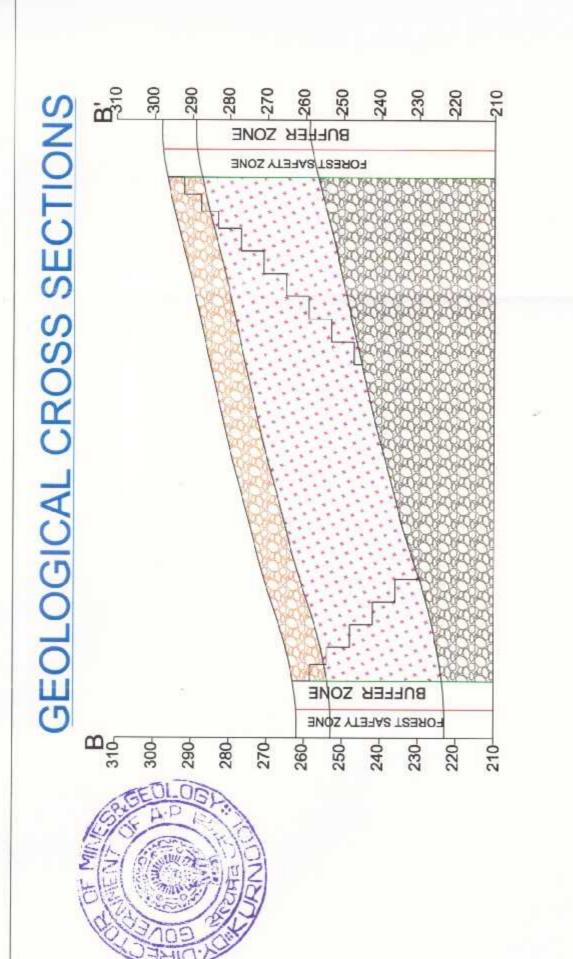
Signature of Applicant

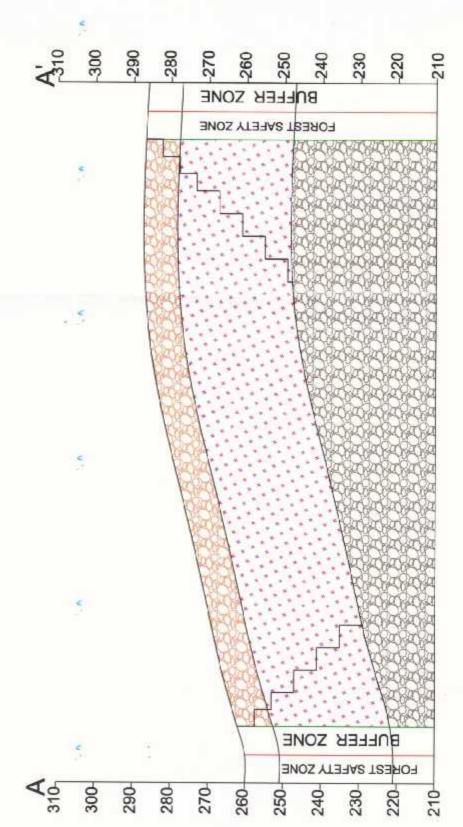
### APPROVED

R-40 0 R-5

G. ESWAR REDDY, M.Sc. B.L. Ph.D. B.//ROHP 3/ 102/2012/A Recognised Geologist Signature of R.Q.P

IS TRUE AND CORRECT TO THE BEST OF KNOWLEDGE BASED UP ON LEASE MAP AUTHENTICATED BY STATE GOVERNMENT. THIS IS TO CERTIFY THAT THE INFORMATION IN THIS PLATE RCP/DMC/AP/07/2014





INDEX	80	ROAD METAL	BLACK SHALE	- BUFFER ZONE	- PROVED ZONE	ULTIMA
×		ETAL	SHALE	ZONE	D ZONE	ULTIMATE PIT LEVEL

# MINING PLAN FOR ROAD METAL

SRI.Y.MAHENDRANATH REDDY IN Compartment.No.313, Ext.3.960, Bhanumukkala (V), Banaganapalli (M) Kumool (District), AndhraPradesh.

### GEOLOGICAL CROSS SECTIONS

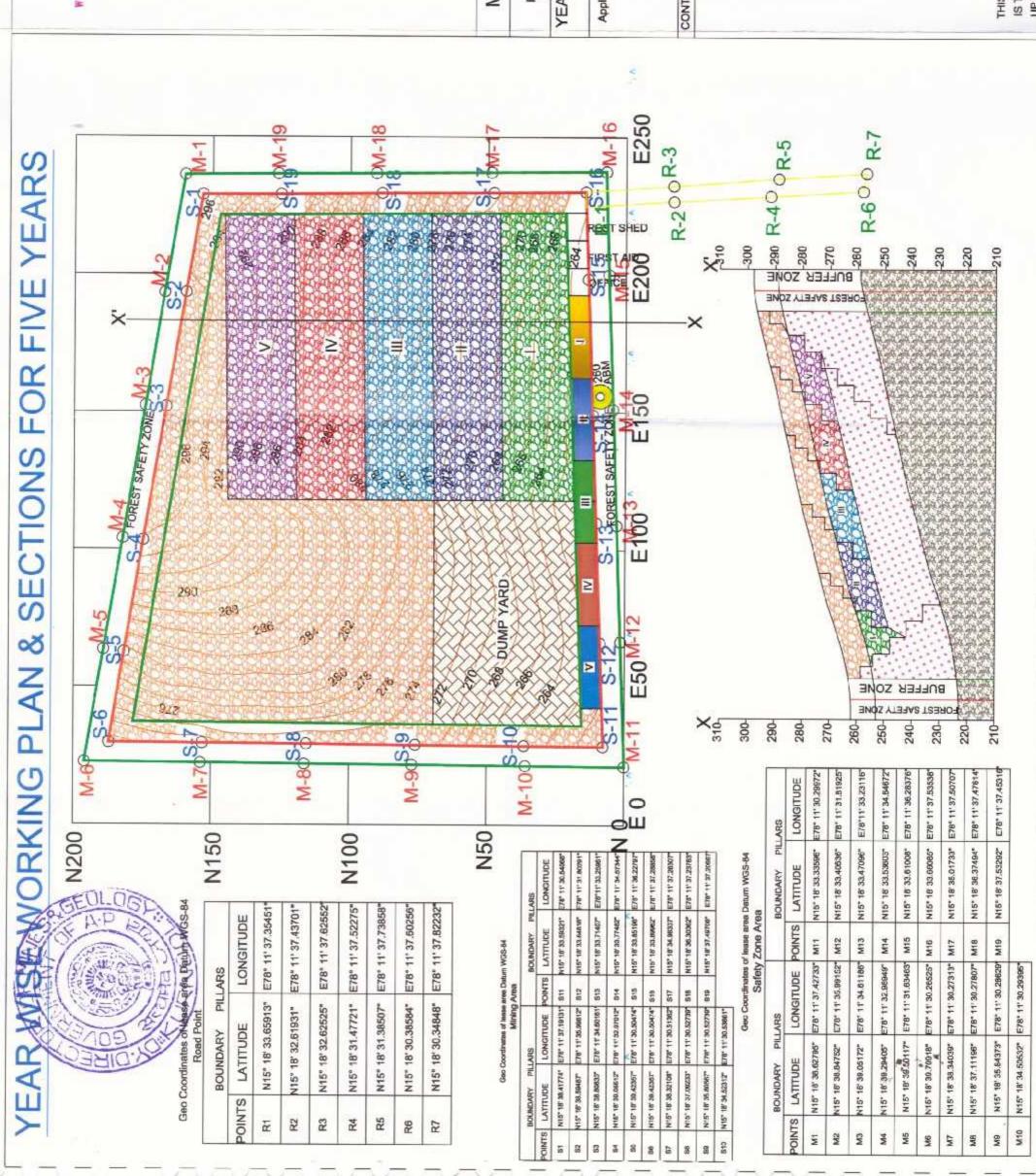
Applicant:- SRI.Y.MAHENDRANATH REDDY, Sto Y.Maddilety, Reddy, Rob Bernaganapalli Village & Mandal, Kumool District, Andhra Pradesh State.

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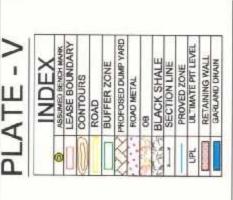
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Recognised Septopist IBJIFONN DISOZZUTAN RCP/DMC/AP/07/2014 Signature of R.Q.P

IS TRUE AND CORRECT TO THE BEST OF KNOWLEDGE BASED UP ON LEASE MAP AUTHENTICATED BY STATE GOVERNMENT. THIS IS TO CERTIFY THAT THE INFORMATION IN THIS PLATE







	PLANTATION					
INDEX	YEAR WISE	I-YEAR	II -YEAR	III -YEAR	IV- YEAR	V- YEAR
	WORKINGS					000

# MINING PLAN FOR ROAD METAL

SRI.Y.MAHENDRANATH REDDY
IN Compartment.No.313, Ext.3.960, Bhanumukkala (V),
Banaganapalli (M) Kumool (District), AndhraPradesh.
YEAR WISE WORKING PLAN & SECTIONS FOR

Applicant:- SRI.Y.MAHENDRANATH REDDY,

SKI.Y.MAHENDRANATH Skr.Y.Maddilety Reddy, Rkr. Banaganspalli Village & Mandal, Kumool District, Andhra Pradesh State. CONTOURS INTERVAL:- 2.0 m SCALE:- 1:1500

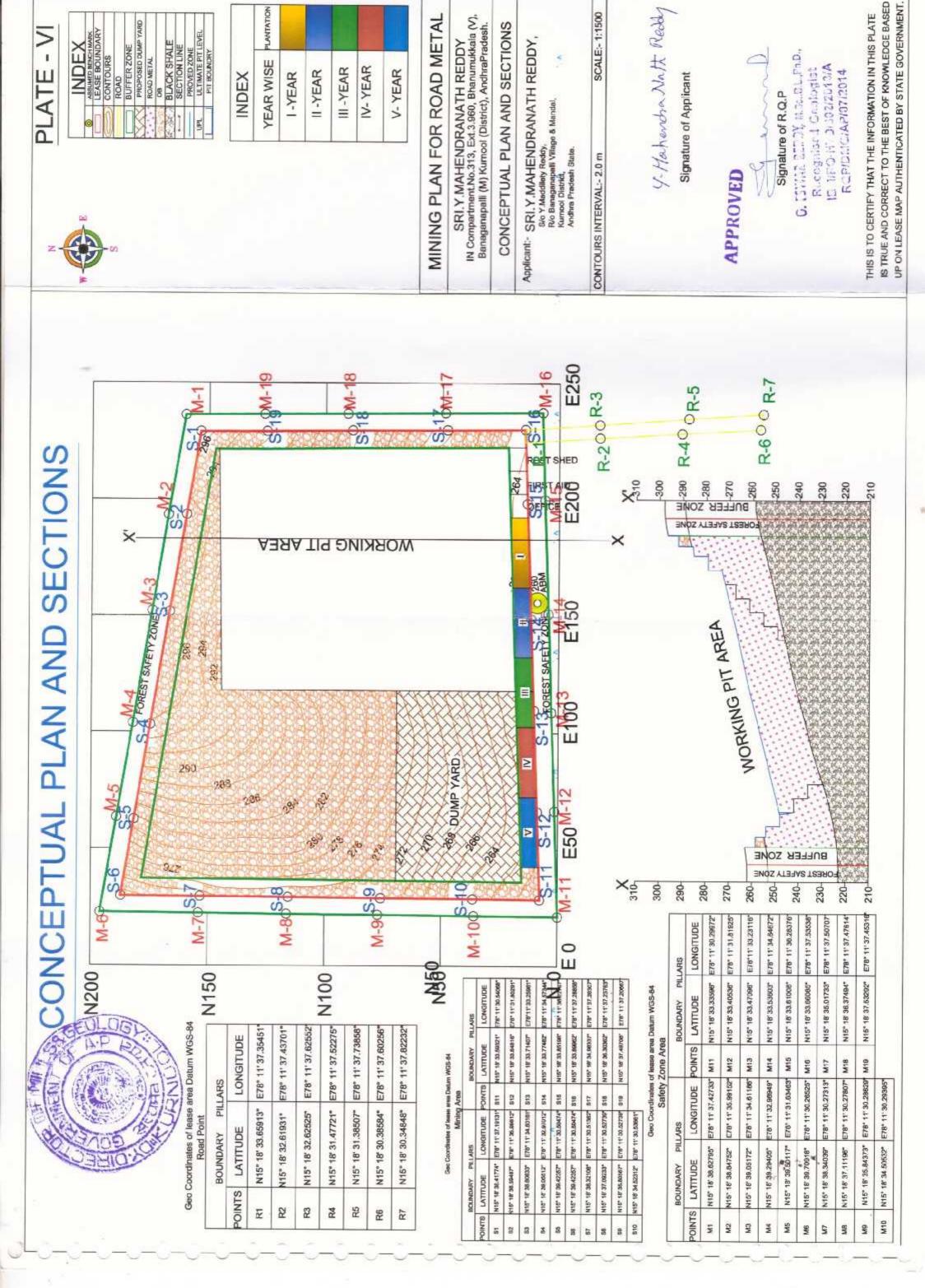
y Mahendyn North Reddy Signature of Applicant

### APPROVED

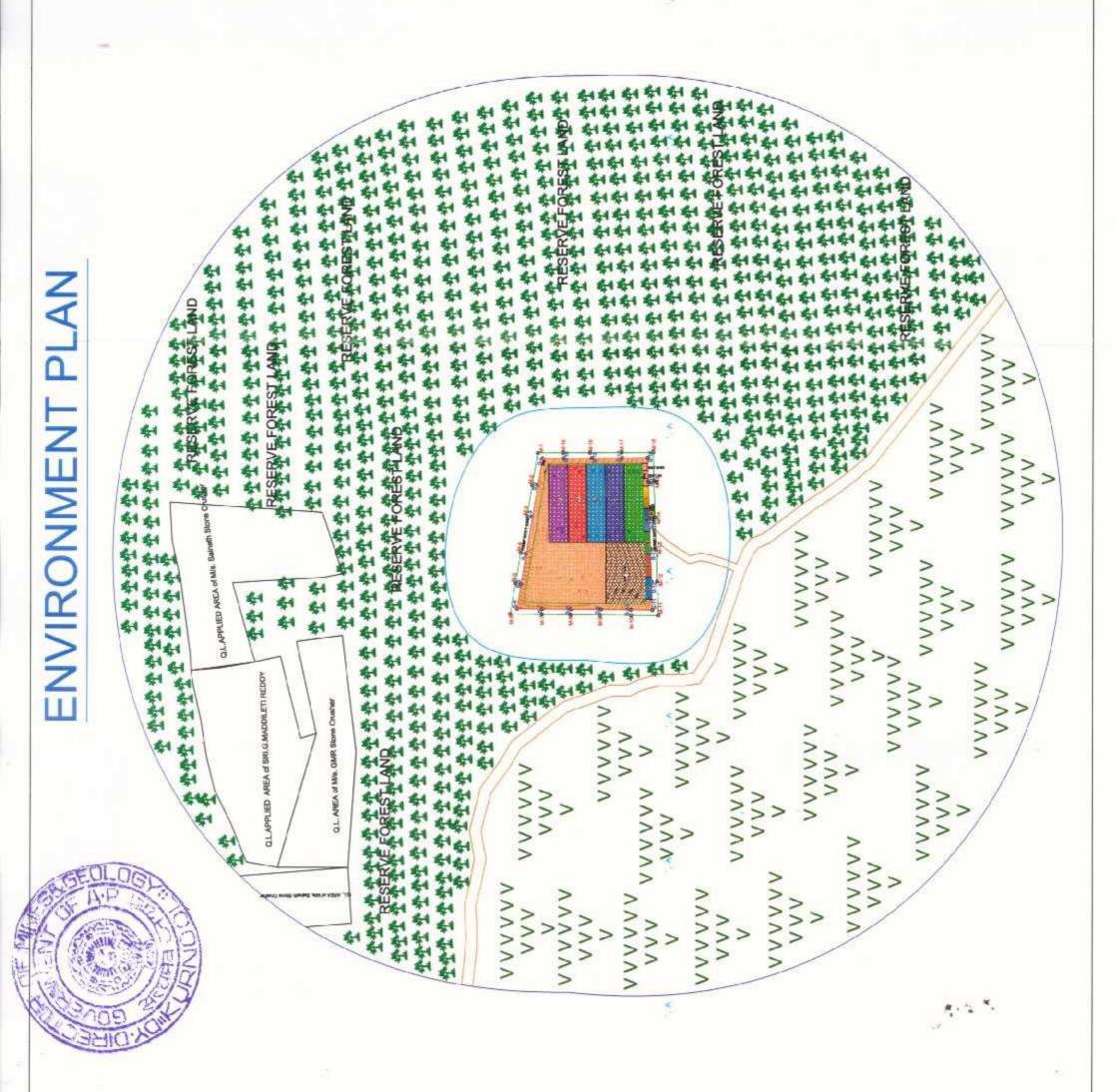
Signature of R.Q.P

O. ISYMA ACTION, MICHIGAND. Ph.D. Rucognised Senlogist IE WEGHIS N. 162/2013/A RCP/DMC/AP/97/2014

THIS IS TO CERTIFY THAT THE INFORMATION IN THIS PLATE IS TRUE AND CORRECT TO THE BEST OF KNOWLEDGE BASED UP ON LEASE MAP AUTHENTICATED BY STATE GOVERNMENT.



"LANTATION





>LUNIA	INDEX	ASSUMED BENCH MARK	LEASE BOUNDARY	CONTOURS	PIT	ROAD	FOREST LAND	AGRICULTURE LAND	60m BUFFER ZONE	500m BUFFER ZONE	PROPOSED DUMP YARD	VILLAGES	HILLOCKS
		<u>ඉ</u>				I	李	****	0	0	322222	P	0

# MINING PLAN FOR ROAD METAL

IN Compartment.No.313, Ext.3.960, Bhanumukkala (V), Banaganapalli (M) Kumool (District), AndhraPradesh. SRI.Y.MAHENDRANATH REDDY

### **ENVIRONMENT PLAN**

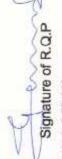
SRI.Y.MAHENDRANATH REDDY, Sto Y.Maddillery Reddy, Ro Banaganapalli Village & Mandal, Applicant:-

Kumool District

SCALE:- 1:5000 CONTOURS INTERVAL: - 2.0 m y. Mahenda Neith Redd.

Signature of Applicant

### APPROVED



G. ISWAA KIINY WAG BL. Ph.D. ACTUAL OF SECURE Ruccgallact Chalogist REPUBLICANOMORA

IS TRUE AND CORRECT TO THE BEST OF KNOWLEDGE BASED UP ON LEASE MAP AUTHENTICATED BY STATE GOVERNMENT THIS IS TO CERTIFY THAT THE INFORMATION IN THIS PLATE