

**GOVERNMENT OF ANDHRA PRADESH
FOREST DEPARTMENT**

From
Sri Y.Madhusudhana Reddy, IFS.,
Principal Chief Conservator of Forests &
Head of Forest Force (FAC),
Andhra Pradesh,
Mangalagiri,
Guntur-522 503.

To
The Spl.Chief Secretary to
Government,
Environment, Forest, Science &
Technology Department,
Andhra Pradesh, Velagapudi,
Amaravati - 522 503.

Ref. no. EFS02-15029/4/2019-FCA SEC-PCCF/FCA-1 ,
Dated:16/06/2023.

Sir,

Sub:-APFD - F (C) Act, 1980 - 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 Sri Y. Mahendranath Reddy for grant of quarry lease for road metal - Proposal submitted - Additional information requested - Submitted - Reg.

Ref:- 1. Gol, MoEF&CC, IRO, Vijayawada in their Lr.No.4-APB203/2023-VIJ/813, dt.30.03.2023 communicated in Government Memo.No.2967/Section.II/2022/1868143, EFS&T (Sec.II) Dept., dt.17.04.2023.
2. Representation Sri Y.Mahendranath Reddy, Banganapalli (V) & (M), Nandyal District, dt. 18.05.2023.

~x~

Kind attention is invited to the reference 1st cited, wherein the Government have requested to submit modified mining plan in respect of the 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 Sri Y. Mahendranath Reddy for grant of quarry lease for road metal, so as to submit the same to Gol, MoEF&CC for consideration of the proposal.

In the reference 2nd cited, the the user agency has submitted the modified the mining plan approved by the District Mines and Geology Officer, Kurnool in his Lr.no.594/MMP-KNL/2023, dt.16.05.2023.

The modified mining plan is submitted herewith. The Government are requested to forward the same to the Gol, MoEF&CC, IRO, Vijayawada for consideration of the subject proposal.

Encl:- As above.

Yours faithfully,

Y Madhusudhana Reddy

IFS

Prl.Chief Conservator of Forests &
Head of Forest Force

Copy to the Chief Conservator of Forests & Field Director, Project Tiger Circle, Srisailam.

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

Copy to the District Forest Officers, Kurnool and Nandyal for information.

Copy to Sri. Y. Mahendranath Reddy, H.No.2/23-4-16, near G.M. Talkies, Banaganapalli (V) & (M), Kurnool District for information.

Signed by Y Madhusudhana
Reddy Ifs
Date: 16-06-2023 08:19:43
Reason: Approved

Date: 18.05.2023

To

The Prl.Chief Conservator of Forests &
Head of Forest Force,
Andhra Pradesh,
'AranyaBhavana',
Mangalagiri,
Guntur.

Respected sir,

Sub:- Diversion of forest land over an extent of 3.96 ha in Compartment no.313, Gulamaliabad South Reserve Forest, Dhone Range, Kurnool Division & District for grant of quarry lease for road metal in favour of Sri Y.Mahendranath Reddy, Banganapalli, (V) & (M), Kurnool District - Reg.

Ref:-

1. IGF (Central), GoI, MoEF&CC, IRO, Vijayawada No.4-APB201/2023-VIJ/813, dt.30.03.2023.
2. Govt.Memo.No.2416/Section.II/2022, EFS&T (Sec.II) Dept., dt.17.04.2023.
3. DMGO, Kurnool, Lr.no.593/MMP-KNL/2023, dt.16.05.2023.

I submit that, Government of India, MoEF&CC, IRO, Vijayawada and State Government vide reference 1st and 2nd cited, have requested to submit modified mining plan duly approved by the competent authority after rectifying all the discrepancies to the GoI, MoEF&CC through the Nodal Officer (FCA), for further consideration of the subject proposal.

In the reference 3rd cited, the District Mines & Geology Officer, Kurnool, has provided approved modified mining plan. The approved modified mining plan in (3) sets is submitted herewith.

It is requested to kindly forward the modified mining plan to the GoI, MoEF&CC through State Government, for consideration of the subject proposal.

Encl:- modified mining plan in (3) sets.

Yours faithfully,

Y. Mahendra Nath Reddy

Sri Y.Mahendranath Reddy
Nandyal District.

FCA-1
18/5/23
H

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

From,

Sri T. Raja Sekhar, M.Sc.,
District Mines and Geology Officer,
Kurnool

To,

Sri Y. Mahendranath, *A. Reddy*
S/o Y. Maddilety Reddy
Banaganapalle (V) & (M)
Nandyal District
Cell No.9440546424

Letter No.593/MMP-KNL/2023, Dated: 16-05-2023

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 Comp.No.313 of Gulamalaiabad South R.F, Kurnool Division, Bhanumukkala Village, Banaganapalle Mandal, Nandyal District in favour of **Sri Y. Mahendranath Reddy** – Prepared by **M/s Sai Geo Services, Sri G. Eswar Reddy, R.Q.P** – Modified Mining Plan – **Approved** – Regarding.

Ref: - 1. G.O.Ms.No:56, Ind. & Comm. (M.II) Dept., dated: 30.04.2016
2. Prods.No:28594/P.RQP/2001, Dated: 13.05.2016 of the Director of Mines and Geology, Hyderabad
3. Circular Memo No.25019/P-Misc/2015, Dated: 08.09.2020 of the Director of Mines and Geology, Ibrahimpatnam
4. This office Letter No.2580/MP/2021, Dated: 05.05.2022 (AMP)
5. G.O.Ms.No:13, Ind. & Comm. (M.III) dept., dated: 14.03.2022
6. Draft Modify Mining Plan submitted by the applicant 15.04.2023
7. This office Letter No.593/MMP-KNL/2023, Dated: 15.04.2023 addressed to the applicant / RQP
8. Letter dated: 16.05.2023 along with five sets of fair copies of mining plan from the applicant received in this office on 16.05.23

& & &

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, Dated: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 Modified Mining Plan (including Progressive Mine Closure Plan) for Road Metal over an extent of 3.960 Hectares in Comp.No.313 of Gulamalaiabad South R.F, Kurnool Division, Bhanumukkala Village, Banaganapalle Mandal, Nandyal District in favour of Sri Y. Mahendranath Reddy.** This approval is subject to following conditions.

1. This Modified 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.
2. It is clarified that this approval of the Modified Mining Plan (including Progressive Mine Closure Plan) does not in any way imply the approval of the Government in terms of any other provisions of the Mines and Minerals (Development and Regulation) Amendment Act, 2015 and any other laws including the Forest Conservation Act, 1980, Forest conservation Rules, 2003 and APMMC Rules, 1966 and other relevant status, orders and guidelines as may be applicable to the lease area from time to time.
3. 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.

Contd..2..

:: 2 ::

4. The Modified 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.
5. The applicant/Lessee shall safeguard the structures, public buildings, roads, railways line, electric line and water bodies exists if any as per regulations 109 & 127 of MMR, 1961.
6. The approval of Modified 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.
7. If anything is found to be concealed as required by the Mines Act in the contents of the approved Modified Mining Plan and the proposals 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.
8. The Modified Mining Plan was approved as per the quarry lease executive sketch of the subject area. Any deviation found latter, approval authority does not owe responsibility.
9. The approval authority does not owe responsibility with regard to erroneous certification made by the R.Q.P if any and approval is tentative subject to modification of new findings at a later date as per the provisions of Rules inforce, since the evaluation is done on random basis.

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



**District Mines and Geology Officer,
Kurnool.**

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

Copy to M/s Sai Geo Services, Sri G. Eswar Reddy, R.Q.P/Geologist, H.No.13-2-155-1, Shirdi Nagar, Anantapuramu - 515001 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 Divisional Mines and Geology Officer, Dhone along with A.M.P.

MODIFIED MINING PLAN & PROGRESSIVE MINE CLOSURE PLAN

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 GULAMALIABAD SOUTH RESERVE FOREST, DHONE RANGE, KURNOOL DIVISION, BHANUMUKKALA (V), BANAGANAPALLE (M), KURNOOL DISTRICT (NEW NANDYAL 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

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

**H.No.2/23-4-16, Near G.M.Talkies,
Banaganapalle (V & M),
Kurnool District.
Andhra Pradesh State.**

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

APPROVED

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**

APRIL- 2023

**DECLARATION**

This Modified 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 Gulamaliabad South Reserve Forest, Dhone Range, Kurnool Division, Bhanumukkala Village, Banaganapalle Mandal, Kurnool District (New Nandyal 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 : -05-2023.****Applicant***Y. Mahendra Nath Reddy***(Sri.Y.Mahendranath Reddy)****CERTIFICATE**

This is to certify that Modified 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 Gulamaliabad South Reserve Forest, Dhone Range, Kurnool Division, Bhanumukkala Village, Banaganapalle Mandal, Kurnool District(New Nandyal 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 : -05-2023.****Applicant***Y. Mahendra Nath Reddy***(Sri.Y.Mahendranath Reddy)**

**CERTIFICATE**

The provisions of APMMC Rule 1966 observed in preparation of Modified 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 Gulamaliabad South Reserve Forest, Dhone Range, Kurnool Division, Bhanumukkala Village, Banaganapalle Mandal, Kurnool District(New Nandyal 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 : -05-2023.

Place: Anantapuramu.

SIGNATURE OF THE RQP

(G.ESWAR REDDY)

G. ESWAR REDDY, M.Sc.,B.L.,Ph.D.,
Recognised Geologist
IBM/RQ/HYD/302/2013/A
RQP/DMG/AP/07/2014

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- ANNEXURE – V Copy of the Forest Department Document
- ANNEXURE – VI Copy of the additional Information.
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- ANNEXURE – VIII Copy of the Registration Certificate of R.Q.P

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**MODIFIED MINING PLAN & PROGRESSIVE MINE CLOSURE PLAN FOR
ROAD METAL OVER AN EXTENT OF 3.960 Hect. LOCATED IN
COMPARTMENT. NO. 313, OF GULAMALAIBAD SOUTH RESERVE
FOREST, DHONE RANGE, KURNOOL DIVISION, BHANUMUKKALA VILLAGE,
BANAGANAPALLE MANDAL, KURNOOL DISTRICT (NEW NANDYAL
DISTRICT), ANDHRA PRADESH STATE.**


Introduction

Sri.Y.Mahendranath Reddy has filed an application for grant of Quarry Lease for **Road Metal** over an extent of 3.970 Ha in Compartment. No.313 of Gulamalaibad South Reserve Forest, Dhone Range, Kurnool Division, Bhanumukkala village, Banaganapalle Mandal, Kurnool District (New Nandyal 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 Gulamalaibad South Reserve Forest, Dhone Range, Kurnool Division Bhanumukkala village, Banaganapalle Mandal, Kurnool District (New Nandyal 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 Gulamalaibad South Reserve Forest, Dhone Range, Kurnool Division, Bhanumukkala village, Banaganapalle Mandal, Kurnool District (New Nandyal 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
Plan Approval Letter No. 593/MMP-KNL/2023
Dated... 16.05.2023.


Deputy Director of
Mines & Geology,
KURNOOL

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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 further 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 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 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 in favour of **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.

First Mining Plan was submitted and approved by the DDM&G, Kurnool Vide Letter No. 2580/MP-BPL/2021, Date: 05-05-2022. **Annexure- IV.**

Later on in 11th REC meeting held on 09-03-2023 after detailed deliberation, the committee recommended the proposal, subject to certain conditions which was noticed that, **"as per the information provided in the Mining Plan, life of Quarry Will be >18 years. However, the breakup proposed for the 1st 5 year and end of the conceptual plan period are**

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reported to be same. Further, actual area earmarked for mining and dumping purpose shall require to be provided". In view of the above discrepancies in the mining plan, committee decided to submit Modified Mining Plan by the User Agency vide P.No.4-APB202/2023-VII/813, Dt:30-03-2023. **Annexure- VII.**

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

I GENERAL

| | | |
|------------|--|---|
| 1.1 | Name and Address of the Lessee | Sri.Y.Mahendranath Reddy, S/o Y.Maddilety Reddy, H.No.2/23-4-16,Near G.M.Talkies, Banaganapalle (V & M), Kurnool District. Andhra Pradesh State. Pin Code of Lease applied Area: 518124. E-mail:gmrstonecrushers9009@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

| GEO COORDINATES – MAP DATUM WGS - 84 | | | |
|---|-------------------|--------------------|--------------------|
| DMS(degrees, minutes, seconds) | | | |
| POINT | N-Latitude | E-Longitude | Remarks |
| M1 | 15° 18' 36.62795" | 78° 11' 37.42733" | Mining Area |
| M2 | 15° 18' 38.84752" | 78° 11' 35.99152" | |
| M3 | 15° 18' 39.05172" | 78° 11' 34.61186" | |
| M4 | 15° 18' 39.29405" | 78° 11' 32.98949" | |
| M5 | 15° 18' 39.50117" | 78° 11' 31.63463" | |
| M6 | 15° 18' 39.70918" | 78° 11' 30.26525" | |
| M7 | 15° 18' 38.34039" | 78° 11' 30.27313" | |

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| | | | |
|-----|-------------------|-------------------|--|
| 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° 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° 11' 37.45316" | |

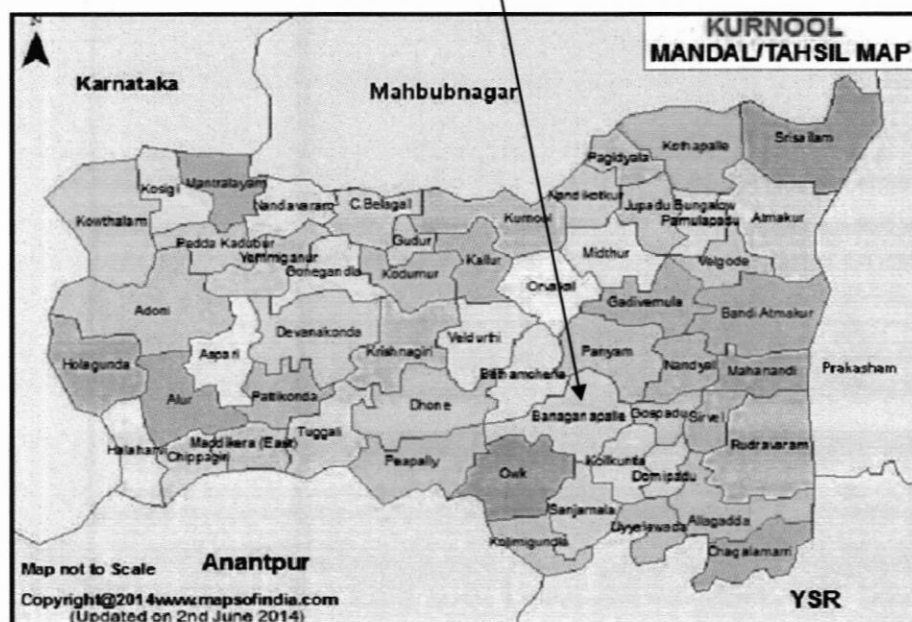
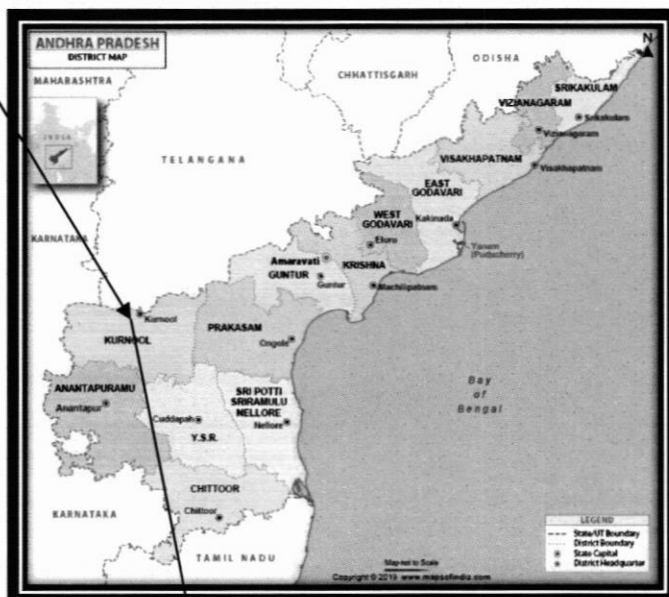
GEO COORDINATES – MAP DATUM WGS - 84**DMS(degrees, minutes, seconds)**

| POINT | N-Latitude | E-Longitude | Remarks |
|-------|-------------------|-------------------|-------------------------|
| S1 | 15° 18' 38.41774" | 78° 11' 37.19131" | Safety Zone Area |
| S2 | 15° 18' 38.59487" | 78° 11' 35.99812" | |
| 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° 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° 11' 30.53661" | |
| S11 | 15° 18' 33.59321" | 78° 11' 30.54068" | |
| S12 | 15° 18' 33.64816" | 78° 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 – MAP DATUM WGS - 84**DMS(degrees, minutes, 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 1.60 km of Ravvula konda at East side. There is no adverse effect. Q.L. area is located 1.60 km from Bhanumukkala Village at south side .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.

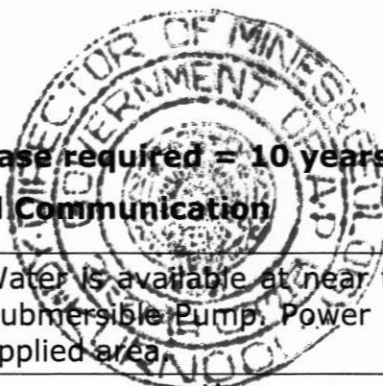
The nearest railway station is at Banaganapalli which is about 4.5Km. Nearest Port facilities are at Chennai, Krishnapatnam, and Mangalore. High school is present in the Banaganapalli village, Degree level Educational facilities exist at Banaganipalli. Hospital facility (PHC) is available at Banaganapalli 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**, 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 in the forest land. |
| Airport | The nearest Airport is at Orvakal which is about 55.0 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 2022-23. 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 2052 & 1040 (Source: Census of India – 2011).

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

First Mining Plan was submitted and approved by the DDM&G, Kurnool Vide Letter No. 2580/MP-BPL/2021, Date: 05-05-2022. **Annexure- IV.**

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 sub-dendritic. The applied area belongs to 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 2022-23.

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:

| | | | |
|--|-------------------------|---|------------|
| KURNOOL GROUP 500+M | Nandyal Shale | | |
| | Koilkuntla Limestone | | |
| | Panyam Quartzites | | |
| | Owk Shale | | |
| | Narji Limestone | | |
| | Banaganapalli Quartzite | | |
| ----- Unconfirmity----- | | | |
| KRISHNA GROUP | Srisailam formations | Pebbly grit, quartzite, hetiolithic stone | shale-sand |
| -x-x-x-x-x-x- Tectonic contact -x-x-x-x-x-x- | | | |

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| | | |
|--|---|---|
| NALAMALAI GROUP 1200M | Cumbam Formations (Pulampet Shale) | Shale, dolomite, Limestone, quartzite |
| | Bairankonda Quartzites (Nagan Quartzite) | Pebbly grit, quartzite, heterolithic shale-sand stone |
| -x-x-x-x-x-x- Tectonic contact -x-x-x-x-x-x- | | |
| CHITRAVATHI GROUP 4975M | Gandikota Quartzites | Quartzite, Pebble beds |
| | Tadipatri Formation | Shale, ash fall tuffs, quartzite, stromatolitic dolomite with mafic flows, sills and dykes |
| | Pulivendla Quartzite | Conglomerate and quartzite |
| ----- Unconfirmity----- | | |
| PAPAGNI GROUP 2110M | Vempalli Formation | Stromatolitic dolomite, Shale, basic flows and intrusive |
| | Gulcheru Quartzite | Conglomerate, feldspathic sand stones and quartzite |
| ----- Unconfirmity----- | | |
| PENINSULAR GNEISS | | |

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 in Kurnool and Palnad Basin. The Kurnool sub basin is in the West Central part of the Cuddapah Basin lies between the Northern Srisailem sub Basin and Southern Papagni sub Basin.

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

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Banaganapalli 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 coarse grained and gritty with an impersistent 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 above sequence has not been revised; expect that the Pinnacled and Panyam Quartzites are clubbed together as Panyam Quartzite.

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 4.5km 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 rock 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 -

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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.

i) Geological Plan: Quarry Proposed area was demarcated on the ground with reference to revenue pillars. Later the topographical survey of the area was carried out by theodolite. 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.

b) 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.

c) Details of the Prospecting carried out:

Not applicable to Road Metal Quarries.

d) Surface Plan area on scales: The surface cum 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.**

e) Geological plan is enclosed as Plate-3.

f) Geological cross sections have been shown on Plate-4.

g) Future Program of Exploration program me planned in next five years:

As this Quarry Lease is being granted for Road Metal for the purpose to use as for constructions & Road Works & Supply for Crusher.

h) Broadly indicate the future problem of exploration with due justification taking into consideration the future tentative excavation program planned in next five years.

Table

| Year | No.of boreholes (core/RC/DTH) | Grid interval | Total Meter age | No. of Pits, dimensions and volume | No. of trenches, dimensions volume |
|------------|-------------------------------------|---------------|--------------------|--|---|
| I | ---- | ---- | ---- | ---- | ---- |
| II | ---- | ---- | ---- | ---- | ---- |
| III | ---- | ---- | ---- | ---- | ---- |
| IV | ---- | ---- | ---- | ---- | ---- |
| V | ---- | ---- | ---- | ---- | ---- |

i) Reserves and Resources as per UNFC :

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 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 2.0 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 (inches) | Size/ capacity | Make | Motive power | H.P |
|------|-----------------------------|-----|----------------------|----------------|------|--------------|-----|
| 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 | | | |

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 submitted.

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

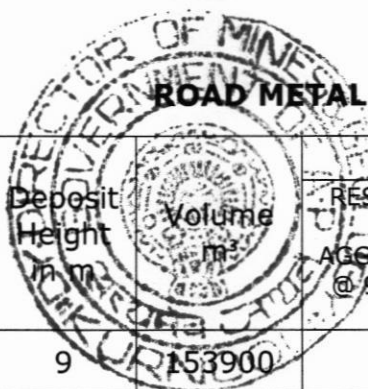
(i) Mode of Mining, recovery Factor, Mining Losses, Processing Losses etc., Road Metal will be mining by open cast other than fully mechanized method with drilling and blasting. The recovery factor is considered as 95% Road Metal, & 5% waste as interstitial voids and fractures because it is exposed with 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 298m at the North and 262m in South portion of the Q.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. No electric lines are passing in this land.

(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.



| Category | SECTIONS | Sectional Area | Deposit Height m | Volume m^3 | Production | | | |
|------------------------------|----------|----------------|---------------------|-----------------|--------------------------------------|---|--------------------------|---------------|
| | | | | | RESERVES OF AGGREGATE @ 95% IN m^3 | RESERVES OF AGGREGATE @ 2.85/ m^3 IN Tons | Rock Waste @ 5% in m^3 | OB |
| Proved | A-A' | 17100 | 9 | 153900 | | | | 153900 |
| | | | 30 | 513000 | 487350 | 1388948 | 25650 | |
| | | | | 513000 | 487350 | 1388948 | 25650 | 153900 |
| Proved | B-B' | 16000 | 9 | 144000 | | | | 144000 |
| | | | 30 | 480000 | 456000 | 1299600 | 24000 | |
| | | | | 480000 | 456000 | 1299600 | 24000 | 144000 |
| Total | | 33100 | | 993000 | 943350 | 2688548 | 49650 | 297900 |
| AFTER BUFFER ZONE | | | | 816000 | 775200 | 2209320 | 40800 | 292590 |
| AFTER SLOPE DEDUCTION | | | | 298941 | 283994 | 809383 | 14947 | 290780 |

Reserves Blocked Under 7.5 M Buffer Zone=168150 m^3

Reserves Blocked Under Safety Slopes=491206 m^3

MINEABLE RESERVES

| S. No. | Category of Reserves | Reserves in Cu.mts. | Reserves in tons. |
|--------------|----------------------|---------------------|-------------------|
| 1 | Proved | 283994 | 809383 |
| TOTAL | | 283994 | 809383 |

Reserves of the buffer zone:

Area of buffer zone x average depth x recovery factor

$$= 5900 (787 \times 7.5) \times 30 = 177000 \times 0.95 = 168150 \text{ } m^3$$

Total Mine able Reserves=Total Geological Reserves - Reserves

Blocked under buffer zone i.e. = 943350-168150= 775200 m^3

Reserves Blocked under Bench Slope = 657 X787 = 517059x0.95 = 491206 m^3

Total Mineable Reserves = 775200- 491206 = 283994 m^3

Net Mineable Reserves of Road Metal in Q L. applied area = 283994 m^3

Total Mineral waste available in Q L. applied area = 14947 m^3

Total Mineral Over Burden available in Q L. applied area = 290780 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 283994 m^3 or 809383 tons of Road Metal is available in this Q.L. applied area. The production is proposed to obtain 15390 m^3 /43862 tons per year. At this rate of production, the expected life of the quarry is calculated as given below.

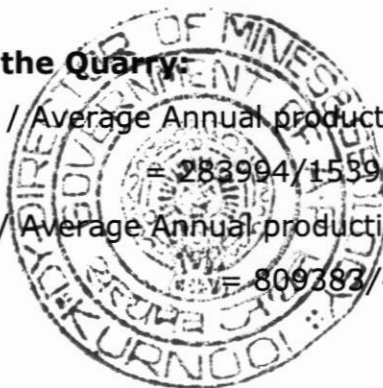
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(vi) Anticipated Life of the Quarry:Mineable Reserves of RM / Average Annual production in **cbm**

$$= 283994 / 15390 = 18.45 \text{ (or) } 18.00 \text{ Years.}$$

Mineable Reserves of RM / Average Annual production in **tones**

$$= 809383 / 43862 = 18.45 \text{ (or) } 18.00 \text{ Years}$$

**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 10000m² of excavation out of which intended ROM 81000m³ 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:

| Year | Pit No | Total tentative Excavation (m ³) | Top Soil (m ³) | OB/SB /IB (m ³) | ROM from Mineralized Zone (m ³) | | | ROM: Waste Ratio |
|-----------|--------|--|----------------------------|-----------------------------|---|---------------------|----------------------|------------------|
| | | | | | Clean Ore (m ³) | Sub grade ore (cum) | Mineral reject (cum) | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1 st Year | -- | 16200 | Nil | 17100 | 15390 | Nil | 810 | 9.5: 0.5 |
| 2 nd Year | -- | 16200 | Nil | 17100 | 15390 | Nil | 810 | 9.5: 0.5 |
| 3rd Year | -- | 16200 | Nil | 17100 | 15390 | Nil | 810 | 9.5: 0.5 |
| 4th Year | -- | 16200 | Nil | 17100 | 15390 | Nil | 810 | 9.5: 0.5 |
| 5th Year | -- | 16200 | Nil | 17100 | 15390 | Nil | 810 | 9.5: 0.5 |
| | | 81000 | Nil | 85500 | 76950 | Nil | 4050 | |



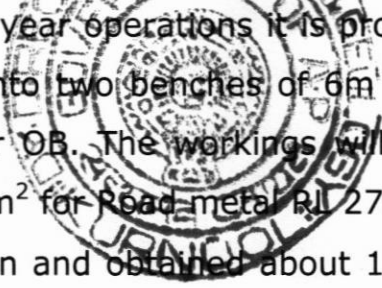
Table 3

| Year | Working areas m ² | Bench height m | Volume m ³ | PRODECTION | | | |
|----------------------|---------------------------------|----------------------|--------------------------|---|--|---|--------------|
| | | | | RESERVES OF AGGREGATE @ 95% IN m ³ | RESERVES OF AGGREGATE @ 2.85/ m ³ in Tons | Rock Waste @ 5% in m ³ | OB |
| 1 st year | 2000 | 4.5 | 9000 | | | | 9000 |
| | 1800 | 4.5 | 8100 | | | | 8100 |
| | 1400 | 6 | 8400 | 7980 | 22743 | 420.0 | |
| | 1300 | 6 | 7800 | 7410 | 21119 | 390.0 | |
| | | | 16200 | 15390 | 43862 | 810 | 17100 |
| 2 nd year | 2000 | 4.5 | 9000 | | | | 9000 |
| | 1800 | 4.5 | 8100 | | | | 8100 |
| | 1400 | 6 | 8400 | 7980 | 22743 | 420 | |
| | 1300 | 6 | 7800 | 7410 | 21119 | 390 | |
| | | | 16200 | 15390 | 43862 | 810 | 17100 |
| 3rd year | 2000 | 4.5 | 9000 | | | | 9000 |
| | 1800 | 4.5 | 8100 | | | | 8100 |
| | 1400 | 6 | 8400 | 7980 | 22743 | 420 | |
| | 1300 | 6 | 7800 | 7410 | 21119 | 390 | |
| | | | 16200 | 15390 | 43862 | 810 | 17100 |
| 4th year | 2000 | 4.5 | 9000 | | | | 9000 |
| | 1800 | 4.5 | 8100 | | | | 8100 |
| | 1400 | 6 | 8400 | 7980 | 22743 | 420 | |
| | 1300 | 6 | 7800 | 7410 | 21119 | 390 | |
| | | | 16200 | 15390 | 43862 | 810 | 17100 |
| 5th year | 2000 | 4.5 | 9000 | | | | 9000 |
| | 1800 | 4.5 | 8100 | | | | 8100 |
| | 1400 | 6 | 8400 | 7980 | 22743 | 420 | |
| | 1300 | 6 | 7800 | 7410 | 21119 | 390 | |
| | 10000 | | 16200 | 15390 | 43862 | 810 | 17100 |
| GRAND TOTAL | | | 81000 | 76950 | 219308 | 4050 | 85500 |
| AVERAGE TOTAL | | | 16200 | 15390 | 43862 | 810 | 17100 |

(iii) Quantum of Excavation: A total of 219308 tones/76950 cbm of road metal is being excavated @95% recovery. 5% waste is generated @4050 m³ & OB@ 85500 m³ during this plan period.

(iv) Production Schedule: The Production of road metal is continues throughout year except during monsoon that is 10 months. 25 working days per month are considered. The ave production of 15390m³/43862 tones per year (250 days @61.56cbm/175.448 tones per day) can be easily achived in single shift with sufficient man & machinery

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1st year : 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 2000m² for OB & 1400m² for Road metal RL 273m to 248m. The benches will be oriented in EW direction and obtained about 15390 m³ or 43862 tones of **Road metal**, 810 m³ of mineral waste and 17100 m³ **OB** in this year.

2nd 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 2000m² for OB & 1400m² RL 280m to 255m. The benches will be oriented in EW direction and obtained about 15390 m³ or 43862 tones of **Road metal**, 810 m³ of mineral waste and 17100 m³ **OB** in this year.

3rd year : 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 2000m² for OB & 1400m² RL 286m to 262m. The benches will be oriented in EW direction and obtained about 15390 m³ or 43862 tones of **Road metal**, 810 m³ of mineral waste and 17100 m³ **OB** in this year.

4th 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 2000m² for OB & 1400m² RL 291m to 267m. The benches will be oriented in EW direction and obtained about 15390 m³ or 43862 tones of **Road metal**, 810 m³ of mineral waste and 17100 m³ **OB** in this year.

5th 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 2000m² for OB & 1400m² RL 296m to 273m. The benches will be oriented in EW direction and obtained about 15390 m³ or 43862 tones of **Road metal**, 810 m³ of mineral waste and 17100 m³ **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 sq.mts 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 & OB can be dumped in this area.

| YEAR WISE DUMP AREA | | | | | |
|---------------------|--------------------------------------|----------------|------------------------|-----------|----------------------|
| Year | Waste Generation 5%(m ³) | Height of dump | Area (m ²) | Area (Ha) | OB (m ²) |
| 1st Year | 810 | 0.94 | 853 | 0.0853 | 17100 |
| 2nd Year | 810 | 0.94 | 853 | 0.0853 | 17100 |
| 3rd Year | 810 | 0.94 | 853 | 0.0853 | 17100 |
| 4th Year | 810 | 0.94 | 853 | 0.0853 | 17100 |
| 5th Year | 810 | 0.94 | 854 | 0.0854 | 17100 |
| Total | 4050 | 4.7 | 4266 | 0.4266 | 85500 |
| Yearly Average | 810 | 0.94 | 853.2 | 0.0853 | 17100 |

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

The Lessee intends to extract Road Metal production to the tune of ROM 81000 m³ 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 10000m² to an average depth up to 21 m over the lease Proposed area from South to North RL 262 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) Layout area of QL Proposed : 39600m²
- 2) Area for 7.5 B.Z Safety zone:5900m²
- 3) Remaining area : 33700m²
- 4) Planned area of excavation duly this plan period : 10000m²
- 5) Area allotted for dump yard : 4266m²
- 6) Area of roads : 600m²
- 7) Area of site Services :150m²
- 8) Area of afforestation (within 7.5 B.Z) : 5900m²
- 9) Remaining area/untouch area : 18684m²

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.

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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 = $B * S * L = 3.5 * 3 * 10 = 105 \text{ m}^3$ Volume of rock generated from one hole = $105 \times 2.5 \text{ sg} = 262.5 \text{ T}$

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 250 Tons.

Explosive used:

The proponent should get permission to use ANFO and also get 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. | CP |
| 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 10000 m^2 or 1.0000 Hectares to a depth of 21 m reaching 262 m (FRL) at the SE portion of the quarry lease area. The area occupied by roads would be 0.0600 Hectares; while plantation will be occupying an area of 0.5900 Hectares on the entire 7.5 buffer zone area 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 36.0 m above ground level. Rain water constitutes the 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 50-60 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 262 m during this plan period.

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 tested in the nearby agricultural field and the quality of water is found to be potable.

d) Regional and Drainage Patterning: - 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 sub-dendritic 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 1.0m.

6.0 USE OF MINERAL & MINERAL REJECTS

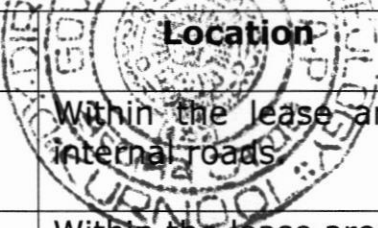
The ROM will be fed in to the sale by the applicant for nearest crushing plants where it will be crushed to desired sizes and utilized for the State & National Highway projects from Banaganapalli to Nandyal. Entire ROM is intended to use for crushers.

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 toilets 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.



| Infrastructure facility | Location | Remarks |
|-------------------------|---|--|
| 1. Roads | Within the lease area internal roads | Kaccha road by using the waste from the mine with width of 10m |
| 2. Office | Within the lease area. | Made of GI sheets with a dimension 8mx3m |
| 3. Rest Shelter/canteen | Within the lease area. | Made of GI sheet with a dimension 10mx4m |
| 4. First aid room | Within the lease area. | Made of GI sheet with a dimension 4mx3m |

a) Employment Potential:

| | |
|---------------------------|-----|
| a. Mines Manager(Foreman) | - 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 |
| Total | =14 |

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 10000 m² will be broken to win the mineral. An area of 5900m² is proposed for a forestation. The Q.L. Applied Area is a barren land and surrounding area no forest and cultivated lands. (**Plate-7**)

| | Component | Area In Hects |
|-----------------------------------|--------------------|---------------|
| Surface Plan | Mining Area | NIL |
| | Un mined area | 3.3100 |
| | Road | 0.0600 |
| | Forest Safety Zone | 0.5900 |
| | Total Area | 3.9600 |
| End of the plan period | Mined out area | 1.0000 |
| | Dumping Area | 0.4266 |
| | Road | 0.0600 |
| | Un mined area | 1.8834 |
| | Forest Safety Zone | 0.5900 |
| | Total Area | 3.9600 |
| End of the Conceptual Plan period | Mined out area | 2.0000 |
| | Dumping Area | 0.4266 |
| | Road | 0.0600 |
| | Un mined area | 0.8834 |
| | Forest Safety Zone | 0.5900 |
| | Total Area | 3.9600 |

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

| S.No. | Name of the village | Population | Distance in km | Directions |
|-------|---------------------|------------|----------------|------------|
| 1 | Yagantipalle | 2052 | 1.9 | North |
| 2 | Bagaganapalli | 20749 | 3.9 | East |
| 3 | Mirapuram | 2189 | 3.0 | NW |
| 4 | Battalurupadu | 626 | 4.0 | NE |
| 5 | Patapadu | 2109 | 3.5 | NW |

- 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 10000 m² will be degraded for the working pit; and Roads 600 m².

- (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 Area is quite far from the habitation area situated 1.0 Kms away from Bhanumukkala 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 50-60 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 Exhausting the Mineral or State Highway projects etc,. Hence, Progressive reclamation is not studied and will be planned in the next scheme of mining.

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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.



| | Component | Area In Hects |
|-----------------------------------|--------------------|---------------|
| Surface Plan | Mining Area | NIL |
| | Un mined area | 3.3100 |
| | Road | 0.0600 |
| | Forest Safety Zone | 0.5900 |
| | Total Area | 3.9600 |
| End of the plan period | Mined out area | 1.0000 |
| | Dumping Area | 0.4266 |
| | Road | 0.0600 |
| | Un mined area | 1.8834 |
| | Forest Safety Zone | 0.5900 |
| | Total Area | 3.9600 |
| End of the Conceptual Plan period | Mined out area | 2.0000 |
| | Dumping Area | 0.4266 |
| | Road | 0.0600 |
| | Un mined area | 0.8834 |
| | Forest Safety Zone | 0.5900 |
| | Total Area | 3.9600 |

The land that will be broken in the successive conceptual periods (the Life of the quarry is anticipated to be 18.45 years as of present).

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LAND USE

The on-going mining and the downstream activities have covered the lease hold for about 3.9600 Hectares as detailed below:

| S.No | Item | In M ² | In Hects. |
|------|-----------------------------|-------------------|---------------|
| 1 | Working Pit area | 10000 | 1.0000 |
| 2 | Un mined area/un touch area | 18684 | 1.8684 |
| 3 | Dump Yard | 4266 | 0.4266 |
| 4 | Stock Yard | NIL | NIL |
| 5 | Road Area | 600 | 0.0600 |
| 6 | Infrastructure | 150 | 0.0150 |
| 7 | Plantation | 5900 | 0.5900 |
| 8 | Others if any | NIL | NIL |
| 9 | Total | 39600 | 3.9600 |

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:

Plantation programme is proposed in entire safety zone of 0.5900 Ha, in the I st year itself. 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 different local plants.

Details of Year wise Plantation Plan

| Year | Area (M ²) | No. of Plants |
|----------------------------|------------------------|---------------|
| 1st Year | 5900 | 1180 |
| 2nd Year | NIL | NIL |
| 3rd Year | NIL | NIL |
| 4th Year | NIL | NIL |
| 5th Year | NIL | NIL |
| Total | 5900 | 1180 |

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.

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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 untoward incident.

In event of any emergency the Contact person is:

Sri.Y.Mahendranath Reddy,
S/o Y.Maddilety Reddy,
H.No.2/23-4-16,Near G.M.Talkies,
Banaganapalle (V & M),
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. No of saplings planted in the year Cumulative no of plants Any other method of rehabilitation Cost including watch and care during the year | 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 | ---- |

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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

| Items | Details | Area (Ha) | Quantity | Expenditure (Rs) | Remarks |
|--|--|---------------|-------------|----------------------------|---|
| | | Proposed | Proposed | Proposed | |
| Reclamation & Rehabilitation of mined out land | Back filling | Yes | ---- | N.A | Backfilling will not be done during the first five year plan period. So cost is not included. |
| | Afforestation & back filled Area | Nil | ---- | ---- | ---- |
| | Others (Erecting the Barbed Wire fence around the QL area) | Nil | ---- | N.A | ---- |
| | Pisciculture | Nil | ---- | ---- | No cost is involved for 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 |
| | Converting into water reservoir | Yes | ---- | ---- | |
| | 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 Check dams | Yes | ---- | ---- | ---- |
| | 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 within Lease | Green Belt | 0.5900 | 1180 plants | Rs. 330000 | |
| | Others (Please Specify) | ---- | ---- | ---- | ---- |
| Environmental Monitoring (Core zone & Buffer zone) | Ambient air quality | ---- | ---- | (For 5 years Rs. 1,50,000) | |
| | Water quality | ---- | ---- | | ---- |
| | Noise Level survey | ---- | ---- | | ---- |
| | Ground Vibration | ---- | ---- | | ---- |
| | Others (Please Specify) | ---- | ---- | | ---- |
| | Total | 0.5900 | | Rs 5,37,300 | ---- |

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10. Financial Assurance:

Financial assurance can be submitted in any encashable 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.P. the minimum financial assurance in the form of Bank Guarantee for Rs.50,000/- for below 5.000 hec. will be submitted to the Assistant Director, Department of Mines & Geology, Banaganapalle at the time of Execution of lease deed.

| Sl. No. | Head | Area put on use at the start of plan (Ha.) | Additional requirement during the plan period (Ha.) | Total (in Ha.) | Area considered fully reclaimed and rehabilitated | Net area considered for calculation (Ha.) |
|---------|----------------------|--|---|----------------|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Area under mining | 0.0000 | 1.0000 | 1.2000 | Nil | 1.0000 |
| 2 | Storage for top soil | -- | -- | -- | -- | -- |
| 3 | Overburden dump | 0.0000 | 0.4266 | 0.4266 | Nil | 0.4266 |
| 4 | Roads | 0.0000 | 0.0600 | 0.0600 | Nil | 0.0600 |
| 5 | Infrastructure | 0.0000 | 0.0150 | 0.0150 | | 0.0150 |
| 6 | Railways | -- | -- | -- | -- | -- |
| 7 | Tailing pond | | -- | | | |
| 8 | Others | -- | -- | -- | -- | -- |
| | SUB- TOTAL | 0.0000 | 1.5016 | 1.5016 | -- | 1.5016 |
| | Green Belt | -- | 0.5900 | 0.5900 | -- | 0.5900 |
| | Virgin area | 3.9600 | 1.8684 | 1.8684 | Nil | 1.8684 |
| | TOTAL | 3.9600 | 3.9600 | 3.9600 | | 3.9600 |

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 Gulamalaibad South Reserve Forest, Dhone Range, Kurnool Division, Bhanumukkala village, Banaganapalle Mandal, Kurnool District (New Nandyal 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

Y Mahendranath Reddy
(Sri.Y.Mahendranath Reddy)

RQP & Consultant Geologist

G Eswar Reddy
(G Eswar Reddy)
Recognised Geologist
IBM/RQ/HYD/302/2013/31
RQP/DMC/API/07/2014
KURNOOL

This Mining Plan is approved subject to the
Conditions/Stipulations indicated in the Mining
Plan Approval Letter No. *593/MHP-JNL/2023*
Dated... *16.05.2023*

7377911/2023/FCA -PCCF

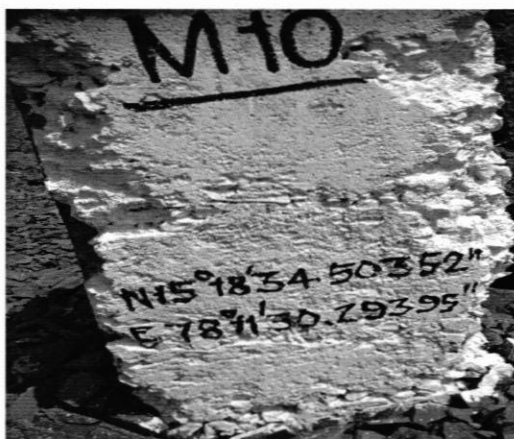
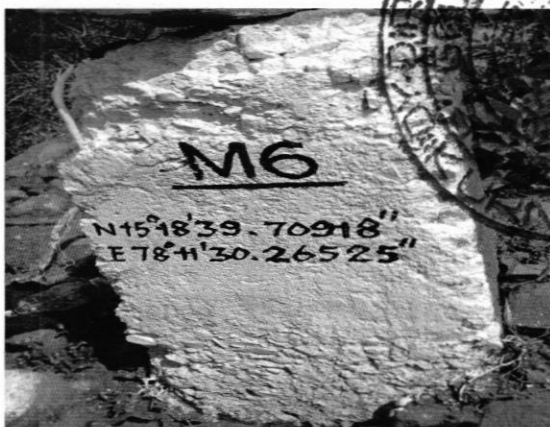


PHOTOGRAPH SHOWING THE QUARRY LEASE AREA & SHEET ROCK FORMATION



PROPOSED WORKING AREA







To,
The Deputy Director Mines & Geology,
Kurnool

Through :
The Assistant Director of Mines & Geology,
Banaganapalli,

Dear Sir,

I/We hereby request to apply for **Fresh Quarry Lease** for a period of 10 (Ten) years and give below the necessary particulars as required under the A.P. Minor Mineral concession Rule 1996.

- | | | |
|----|-------------------------------------|--|
| 1 | Name of applicant | : Y.MAHENDRANATH REDDY S/o Y.MADDILETY REDDY, |
| | i) Profession | : <i>Business</i> |
| | ii) Residence | : Resident of H.NO.2/23-4-16, Near G.M. Talkies, Kareem Bagh Colony, Banaganapalle (V&M) Kurnool District A.P. |
| | iii) Permanent Address | : Resident of H.NO.2/23-4-16, Near G.M. Talkies, Kareem Bagh Colony, Banaganapalle (V&M) Kurnool District A.P. |
| 2 | Description of the area applied for | : Fresh Quarry Lease – Forest area |
| | a) Situation and boundaries | : |
| | b) Revenue Survey No. or block No. | : In Compartment No: 313, Gulam Aliabad South R.F. Banaganapalli Section, Dhone Range, Kurnool Division, Kurnool District. |
| | c) In case of Reserved Forest | : <i>Forest area</i> |
| | d) Area | : <i>Applied area : 3.970 Hectors</i> |
| 3. | Name of Mineral to be quarried | : <i>Road Metal.</i> |
| 4. | Purpose for which it is to be used | : <i>Roads and buildings</i> |
| 5. | Enclosures | : (1) Challan Nos. 2574 Dt.15.07.2017 for Rs.1500/- paid in SBI. Banaganapalle Branch, (2) Ch.No.20878 Dt. 17.07.2017 for Rs. 3500/- SBI Main branch, Knl (3) D.D.No.148338 Date: 17.07.2017 for Rs.40,000/- Andhra Bank, N.R.Peta Branch,Kurnool. (4) Sketches 5 copies. (6) Affidavits enclosed. (7) Address proof : Aadhar Card. |

I declare that the particulars furnished above area correct and request to A.D.M.G. Banaganapalli to kindly admit this quarry lease.

PLACE : Banaganapalli
DATE : -7-2017

Yours faithfully,
Y. Mahendra Nath Reddy
(Y.MAHENDRANATH REDDY)



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 REDDY | Application No : | MIN011700057575 |
| Type of Applications : | Other Quarry Lease | Category Of Applications : | Fresh Application |
| Challan No : | 20878 | Extent Applied : | 3.97 Hectars |
| 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.

(Signature)
FKL 090
V. Manidhar
 Mee Seva Centre
 40/837-2, Near S.B.I. Main
 Branch, KURNOOL-513 004

**GOVERNMENT OF ANDHRA PRADESH
FOREST DEPARTMENT**

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

The District Forest Officer
Kurnool

Ms. Suman Beniwal, I.F.S.,
District Forest Officer

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.EFS02-15029/4/2019-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, 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. 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 Sri Y.Mahendranath Reddy S/o Y.Maddilety Reddy, R/o Banaganapalli (V) & (M), Kurnool District.

//t.c.b.o//

Technician Assistant

**GOVERNMENT OF ANDHRA PRADESH
FOREST DEPARTMENT**

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

Director of Mines & Geology,
& 6th Floors,
Anjaneya Towers,
Ibrahimpattam, Krishna District.

* * * *

Ref. no. EFSQ2-15029/4/2019-FCA SEC-PCCF/FCA-1. Dated: 12.06.2021.

Sir,

Sub: APFD - 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

* * * *

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 upheld 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., Ibrahimpattam as per the proforma 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 GoI, 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., Ibrahimpattam for necessary action. The Director of Mines and Geology, A.P., Ibrahimpattam / 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., Ibrahimpattam is requested to take necessary action to furnish the approved mining plan by getting it from the

user agency and the interested parties concerned above in respect of the above subject proposal, for taking further action in the matter.

Encl:- As above.

Yours faithfully,

Sd/- N. Prateep Kumar
Chief Conservator of Forests &
Head of Forest Force

Copy to Sri. Y. Mahendranath Reddy, H.No.2/23-4-16, near G.M. Talkies, Banaganapalli (V) & (M), Kurnool 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 and rules in force.

//t.c.b.o//

Superintendent

SE
12/6/2021

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

From
V. Nagini, M.Sc., B.Ed.,
Deputy Director of Mines &
KURNOOL..



Sri Y.Mahendranath Reddy,
S/o Y.Maddileti Reddy
R/o Banaganapalle (Town & Mandal),
H.NO.2-23-4-18, Karcembag 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) Prods.No: 28594/P.RQP/2001, dt: 13.05.2016 of the Director of Mines and Geology, Hyderabad.
 - 3) 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 DL17-07-2017.**
 - 5) Circular Memo No.3861432/P/2020, dt: 16.07.2021 of the Director of Mines and Geology, Ibrahimpatnam.
 - 6) Letter No.Ref.No.EF802-15029/4/2020-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 APMCM 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.Maddileti Reddy.*

This approval is subject to the following conditions.

1. 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.

Contd...2



3. This approval of Mining Plan (including Progressive Mine closure plan) does not in any way absolve the Government in terms of any other provision of the Mines Act, 1957, or the Mineral Concessions (Development and Regulations) Act, 1957, or the laws including Forest Conservation Rules, 2003 and other relevant statutes which 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 in force, since the evaluation is done on random basis.

Yours faithfully,

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

[Signature]
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, Kavadiyuda, 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.

GOVERNMENT OF ANDHRA PRADESH
DEPARTMENT OF MINES & GEOLOGY



From

Ms. Suman Beniwal, I.F.S., Deputy Director of Mines & Geology,
District Forest Officer,
Kurnool (T) Division, Kurnool.

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

Sir/Madam,

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 Compt.No.313 of G.A.Bad South RF, Dhone Range, Kurnool Division & 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, Vijaywada F.No.4-APC/92-2018-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 Govt. 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.

[P.T.O.]

Hence, I request the Assistant Director of Mines & Geology, Kurnool to furnish above two points information as requested by the Principal Chief Conservator of Forests & HoFF, A.P., Kurnool District, dated 28.12.2023 cited (copy enclosed) at an early date for processing of the proposal.



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

Copy to Assistant Director of Mines & Geology, Banaganapalli 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//

Technical Assistant

14/12/23



From

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

The 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, Dhona 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.
2. 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, Ibrahimpatnam.
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 Dhona Range Kurnool Division 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.

Cont....2...



Geological Reserves in the area

| Name of the Mineral | No. of existing leases | Total Capacity of each mine | Average Annual Production (in Cbm) | future requirement of this mineral (in Cbm) | Present requirement (out of Col.No.5) | Remarks (if any) |
|---------------------|------------------------|-----------------------------|------------------------------------|---|---------------------------------------|------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Road Metal | 5 | 5.8 Lakhs in Cbm | 5.2 Lakhs in Cbm | Nearly 10 Lakhs in Cbm | 6.8 Lakhs in Cbm | |

Further it is submit that there is huge Government works, Civil work, GNSS Canal strengthening works, NH-544 D Bangalore-Amaravathi road work is in progress.

In view of the above circumstances, the above additional information with a request to process and accord clearance for diversion of forest land for non-forest purpose for grant of quarry lease for road metal over an extent of **3.97 Hectares** Comp.No.313 of Gulamaliabad South Block R.F., Banaganapalle section of Dhone Range Kurnool Divisional of Kurnool District for a period of 20 years in favour **Sri Y. Mahendranath Reddy**.

This is submitted for favour of information.

Yours faithfully,

J.V. Mahendranath Reddy
 Asst. Director of Mines & Geology (FAC),
 Banaganapalle.

Copy submitted to the District Forest Officer, (T) Division, Kurnool for favour of information.

Copy to Sri Y. Mahendranath Reddy, S/o Y. Maddilety Reddy, R/o Banaganapalle Village & Mandal, Kurnool District for information.



पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE CHANGE
Integrated Regional Office, Vijayawada
Green House Complex, Gopal Reddy Road
Vijayawada – 520010, Andhra Pradesh
email: iro.vijayawada-mefcc@gov.in

F.No. 4-APB201/2023-VIJ/813

Date 30th March, 2022

To

The Special Chief Secretary to the Government of Andhra Pradesh,
Environment, Forests, Science & Technology Department,
Government of Andhra Pradesh, Room No.268, 1st Floor, 4th Block,
Andhra Pradesh Secretariat, Velagapudi, Amaravati Guntur District-522503

Subject: 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 Sri Y. Mahendranath Reddy, Banaganapalli (V) & (M), Kurnool District for grant of quarry lease for Road Metal -Reg..

Sir,

With reference to the subject proposal, it is to inform that the subject proposal was placed before 11th REC meeting held on 09.03.2023 and the User Agency was also present during the deliberations. After detailed deliberation, the committee recommended the proposal, subject to certain conditions. Further, the committee noticed that, *"as per the information provided in the Mining plan, life of the quarry will be > 18 years. However, the breakup proposed for the 1st 5 year and end of the conceptual plan period are reported to be same. Further, actual area earmarked for mining and dumping purpose shall require to be provided"*. In view of the discrepancies in the mining plan, committee decided to forward the proposal to the Ministry after receipt of the modified approved mining plan.

However, the User Agency has not submitted the modified mining plan to this office till date, as per the direction of the REC. Hence, it is requested that, the User Agency may please be instructed to submit modified mining plan duly approved by the competent authority after rectifying all discrepancies to this office through Nodal Officer (FCA) at the earliest, so as to enable this office to forward the proposal to the Ministry for further consideration of the proposal under FCA, 1980.

Yours faithfully,

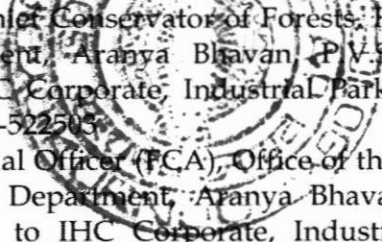
(Signature)

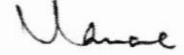
(N.S.Murali)

Inspector General of Forests (Central)

7377911/2023/FCA -PCCF

Copy to:

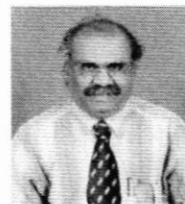
- 
- (i) The Principal Chief Conservator of Forests, Forests Department & HoFF, AP Forest Department, Aranya Bhavan, P.V.S. Land Mark, Ground Floor, Opposite to IHC Corporate, Industrial Park, Mangalagiri, Guntur District, Andhra Pradesh-522503
 - (ii) The PCCF/ Nodal Officer (PCA), Office of the Principal Chief Conservator of Forests, Forests Department, Aranya Bhavan, P.V.S. Land Mark, Ground Floor, Opposite to IHC Corporate, Industrial Park, Mangalagiri, Guntur District, Andhra Pradesh-522503
 - (iii) Shri Mahendranath Reddy, H.No.2/23-4-16, Near G.M.Talkies, Banaganapalli (V) & (M), Kurnool, Andhra Pradesh 518124. ybtr678@gmail.com



(N.S.Murali)

Inspector General of Forests (Central)

ANNEXURE-VIII



**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.

Place: Hyderabad

Date: 22.12.2014



Director of Mines & Geology

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

LOCATION KEY PLAN

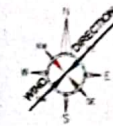
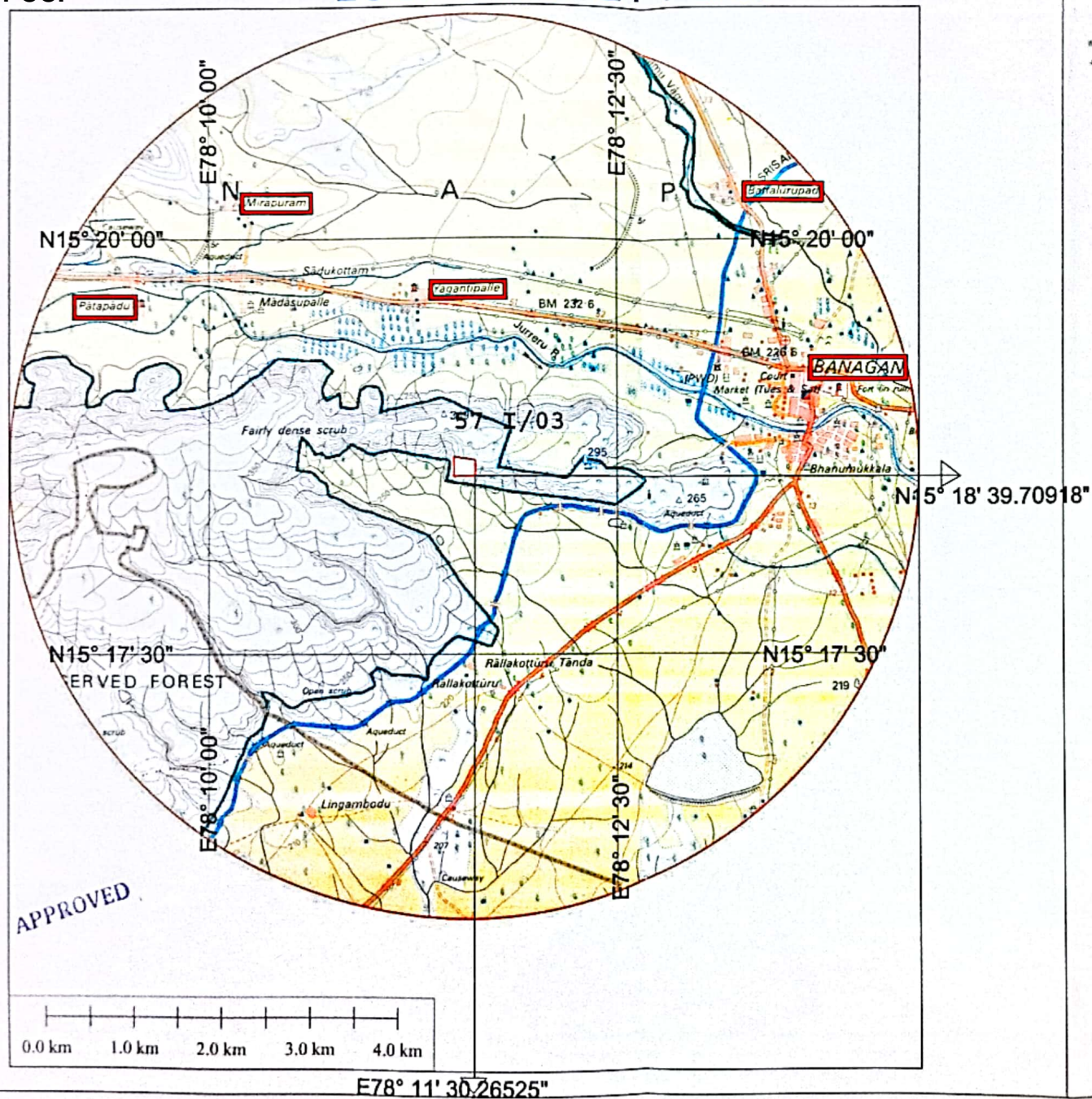
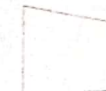


PLATE NO - I



INDEX



SRI.Y.MAHENDRANATH REDDY

Y. Mahendra Nath Reddy

Signature of Applicant

Signature of R.Q.P.
G. LAKSHAN REDDY, M.Sc.B.L.Pd.,
Recognised Geologist
IBM/RQ/RN/D/302/2012/A
RQP/IMG/API/37/2014

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.

| Location-Key Plan, Plate No:-I | |
|-------------------------------------|---|
| MODIFIED MINING PLAN FOR ROAD METAL | |
| COM.No | 313 |
| Extent | 3.960 Hectare, |
| Village | Bhanumukkala |
| Mandal | Banaganapalli |
| District | Kurumuk (Dist), Andhra Pradesh State. |
| Scale | 1:50000 |
| Toposheet No | 57 U/3 78°11' 30.26525"E, 15°18' 39.70918"N |
| Applicant | SRI.Y.MAHENDRANATH REDDY |



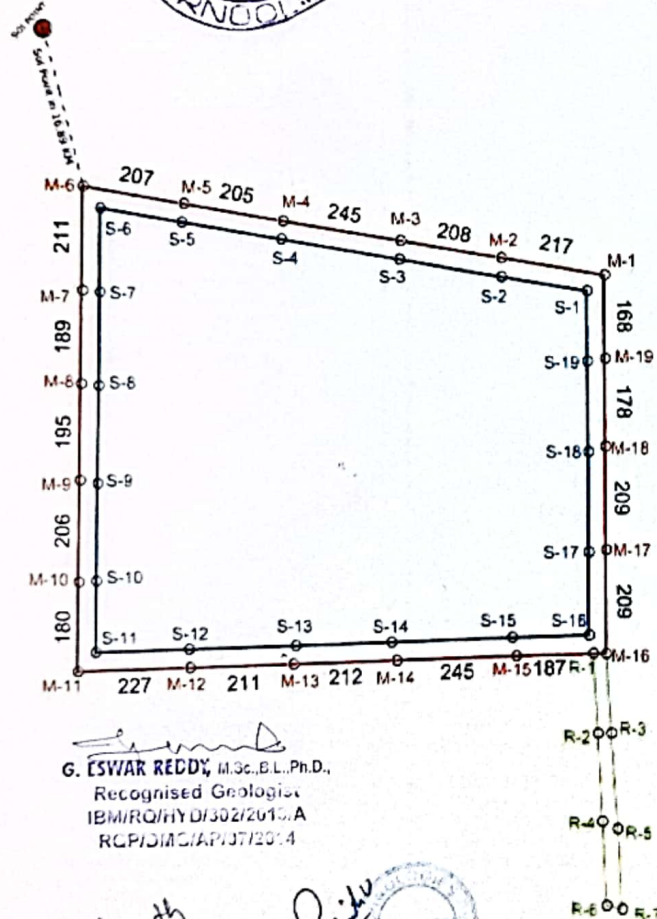
The Map showing the Proposed for grant of Quarry Lease of Sri Y. Mahendranath Reddy for Road Metal over an extent of 3.960 hectares in Comp.No: 313 of Gulamaliabad South Reserved Forest, Banaganapalle Section, Dhone Range, Kurnool Division, Andhra Pradesh State.

All Dimensions are in Metric Links



True North
SCALE: 1:2000

NOTE : The Survey is conducted in RTK-Mode by using HI-TARGET DGPS Instrument, Model: V60, Datum : WGS - 84, Zone : 44P.



G. ESWAR REDDY, M.Sc., B.L., Ph.D.,
Recognised Geologist
IBMRQ/HYD/302/2015-A
RCPID/MC/19/17/2014

APPLICANT

AUTHORISED PERSON EMPANELLED AGENCY
VYN TECHNOLOGIES PVT. Ltd

| UTM CO-ORDINATES (DGPS STATE MONI) | | | | GEO COORDINATES - MAP DATUM WGS-84 | | | |
|------------------------------------|------|------------|-------------|------------------------------------|---------------------------------|----------------|------------------|
| Point | Zone | Easting | Northing | Elevation in Mts | DMS (degrees, minutes, seconds) | N-Latitude | E-Longitude |
| S-1 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-2 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-3 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-4 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-5 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-6 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-7 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-8 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-9 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-10 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-11 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-12 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-13 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-14 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-15 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-16 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-17 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-18 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |
| S-19 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Safety Zone Area |

| UTM CO-ORDINATES (DGPS STATE MONI) | | | | GEO COORDINATES - MAP DATUM WGS-84 | | | |
|------------------------------------|------|------------|-------------|------------------------------------|---------------------------------|----------------|-------------|
| Point | Zone | Easting | Northing | Elevation in Mts | DMS (degrees, minutes, seconds) | N-Latitude | E-Longitude |
| M-1 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-2 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-3 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-4 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-5 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-6 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-7 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-8 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-9 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-10 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-11 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-12 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-13 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-14 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-15 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-16 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-17 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-18 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| M-19 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |

| As per Lease Deed Plan | | | | As per DGPS | | | |
|------------------------|-------------------------|-------------------------|---------------|-------------|-------------------------|-------------------------|---------------|
| LINE | Distance in Meter Links | Distance in Meter Links | Remarks | LINE | Distance in Meter Links | Distance in Meter Links | Remarks |
| 1-2 | 217 | 40.400 | Boundary Line | 1-2 | 217 | 40.400 | Boundary Line |
| 2-3 | 206 | 41.600 | Boundary Line | 2-3 | 206 | 41.600 | Boundary Line |
| 3-4 | 245 | 40.000 | Boundary Line | 3-4 | 245 | 40.000 | Boundary Line |
| 4-5 | 205 | 41.000 | Boundary Line | 4-5 | 205 | 41.000 | Boundary Line |
| 5-6 | 207 | 41.400 | Boundary Line | 5-6 | 207 | 41.400 | Boundary Line |
| 6-7 | 211 | 42.200 | Boundary Line | 6-7 | 211 | 42.200 | Boundary Line |
| 7-8 | 180 | 37.600 | Boundary Line | 7-8 | 180 | 37.600 | Boundary Line |
| 8-9 | 195 | 39.000 | Boundary Line | 8-9 | 195 | 39.000 | Boundary Line |
| 9-10 | 206 | 41.200 | Boundary Line | 9-10 | 206 | 41.200 | Boundary Line |
| 10-11 | 180 | 36.900 | Boundary Line | 10-11 | 180 | 36.900 | Boundary Line |
| 11-12 | 227 | 40.400 | Boundary Line | 11-12 | 227 | 40.400 | Boundary Line |
| 12-13 | 211 | 42.200 | Boundary Line | 12-13 | 211 | 42.200 | Boundary Line |
| 13-14 | 212 | 42.400 | Boundary Line | 13-14 | 212 | 42.400 | Boundary Line |
| 14-15 | 245 | 40.000 | Boundary Line | 14-15 | 245 | 40.000 | Boundary Line |
| 15-16 | 187 | 37.400 | Boundary Line | 15-16 | 187 | 37.400 | Boundary Line |
| 16-17 | 200 | 41.600 | Boundary Line | 16-17 | 200 | 41.600 | Boundary Line |
| 17-18 | 209 | 41.600 | Boundary Line | 17-18 | 209 | 41.600 | Boundary Line |
| 18-19 | 178 | 35.600 | Boundary Line | 18-19 | 178 | 35.600 | Boundary Line |
| 19-1 | 168 | 33.900 | Boundary Line | 19-1 | 168 | 33.900 | Boundary Line |

| UTM CO-ORDINATES (DGPS STATE MONI) | | | | GEO COORDINATES - MAP DATUM WGS-84 | | | |
|------------------------------------|------|------------|-------------|------------------------------------|---------------------------------|----------------|-------------|
| Point | Zone | Easting | Northing | Elevation in Mts | DMS (degrees, minutes, seconds) | N-Latitude | E-Longitude |
| R-1 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| R-2 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| R-3 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| R-4 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| R-5 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| R-6 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |
| R-7 | 44P | 298433.551 | 1894643.016 | 296.966 | 18°18'18.4179" | 78°11'31.1911" | Mining area |

NOTE: The DGPS Survey for the area is taken up by the concerned Survey of India (SOI) is situated at the following location: Banaganapalle village, Mandal: Banaganapalle, District: Kurnool, A.P. SOI 1/1942/7/385, N.1/1355/2/386, Zone: 44P

| Particulars | Location | Extent in Hectares |
|--|---|--------------------|
| Area offered in per proposed Map Co-ordinates issued by the Survey officials | Camp No. 313 of Gulamaliabad South Reserved Forest, Banaganapalle Section, Dhone Range, Kurnool Division. | 3.960 |
| Area offered in DGPS Co-ordinates | Per Quarry Lease including Safety Zone | 3.960 |
| | Per Approach | 0.000 |
| | Total | 3.960 |

The area is shown enclosed in between Proposed area by Survey officials and DGPS points. 0.133 ha of 0.000, but it is within the area, hence 3.960 hectares for quarry lease.

C. Prasad
23/11/2021

Surveyor on Deputation
O/A A.D.M.G.,
Banaganapalle.

J. V. Subbaraj Reddy
Asst. Director of
Mines & Geology,
Banaganapalle.

APPROVED



Geo Coordinates of lease area Datum WGS-84
Road Point

| BOUNDARY PILLARS | | |
|------------------|--------------------|--------------------|
| POINTS | LATITUDE | LONGITUDE |
| R1 | N15° 18' 33.65913" | E78° 11' 37.35451" |
| R2 | N15° 18' 32.61931" | E78° 11' 37.43701" |
| R3 | N15° 18' 32.62525" | E78° 11' 37.62552" |
| R4 | N15° 18' 31.47721" | E78° 11' 37.52275" |
| R5 | N15° 18' 31.38507" | E78° 11' 37.73858" |
| R6 | N15° 18' 30.38584" | E78° 11' 37.60256" |
| R7 | N15° 18' 30.34848" | E78° 11' 37.82232" |

SCALE



Geo Coordinates of lease area Datum WGS-84
Safety Zone Area

| BOUNDARY PILLARS | | | BOUNDARY PILLARS | | |
|------------------|--------------------|--------------------|------------------|--------------------|--------------------|
| POINTS | LATITUDE | LONGITUDE | POINTS | LATITUDE | LONGITUDE |
| M1 | N15° 18' 38.62795" | E78° 11' 37.42733" | M11 | N15° 18' 33.33596" | E78° 11' 30.29972" |
| M2 | N15° 18' 38.64752" | E78° 11' 35.99152" | M12 | N15° 18' 33.40536" | E78° 11' 31.81925" |
| M3 | N15° 18' 39.05172" | E78° 11' 34.61186" | M13 | N15° 18' 33.47096" | E78° 11' 33.23116" |
| M4 | N15° 18' 39.29405" | E78° 11' 32.98949" | M14 | N15° 18' 33.53603" | E78° 11' 34.84672" |
| M5 | N15° 18' 39.50117" | E78° 11' 31.63463" | M15 | N15° 18' 33.61008" | E78° 11' 38.28376" |
| M6 | N15° 18' 39.70918" | E78° 11' 30.26625" | M16 | N15° 18' 33.66085" | E78° 11' 37.53538" |
| M7 | N15° 18' 39.34039" | E78° 11' 30.27313" | M17 | N15° 18' 35.01733" | E78° 11' 37.50707" |
| M8 | N15° 18' 37.11196" | E78° 11' 30.27607" | M18 | N15° 18' 36.37494" | E78° 11' 37.47814" |
| M9 | N15° 18' 35.84373" | E78° 11' 30.26629" | M19 | N15° 18' 37.53292" | E78° 11' 37.45316" |
| M10 | N15° 18' 34.50532" | E78° 11' 30.29395" | | | |

Geo Coordinates of lease area Datum WGS-84
Mining Area

| BOUNDARY PILLARS | | | BOUNDARY PILLARS | | |
|------------------|--------------------|--------------------|------------------|--------------------|--------------------|
| POINTS | LATITUDE | LONGITUDE | POINTS | LATITUDE | LONGITUDE |
| S1 | N15° 18' 38.41774" | E78° 11' 37.19131" | S11 | N15° 18' 33.59321" | E78° 11' 30.54068" |
| S2 | N15° 18' 38.59487" | E78° 11' 36.96612" | S12 | N15° 18' 33.84816" | E78° 11' 31.80291" |
| S3 | N15° 18' 38.60833" | E78° 11' 34.80181" | S13 | N15° 18' 33.71407" | E78° 11' 33.25861" |
| S4 | N15° 18' 39.05512" | E78° 11' 32.97012" | S14 | N15° 18' 33.77482" | E78° 11' 34.57344" |
| S5 | N15° 18' 39.42357" | E78° 11' 30.50474" | S15 | N15° 18' 33.85196" | E78° 11' 36.22797" |
| S6 | N15° 18' 39.42357" | E78° 11' 30.50474" | S16 | N15° 18' 33.80962" | E78° 11' 37.28658" |
| S7 | N15° 18' 38.32108" | E78° 11' 30.51362" | S17 | N15° 18' 34.98337" | E78° 11' 37.26307" |
| S8 | N15° 18' 37.09233" | E78° 11' 30.52738" | S18 | N15° 18' 36.30362" | E78° 11' 37.23783" |
| S9 | N15° 18' 35.80567" | E78° 11' 30.52738" | S19 | N15° 18' 37.49708" | E78° 11' 37.20867" |
| S10 | N15° 18' 34.52312" | E78° 11' 30.53001" | | | |



PLATE - III

| INDEX | |
|-------|--------------------|
| | ASSUMED BENCH MARK |
| | LEASE BOUNDARY |
| | CONTOURS |
| | ROAD |
| | BUFFER ZONE |
| | SECTION LINE |
| | ROAD METAL |
| | OB |

MODIFIED MINING PLAN FOR ROAD METAL

SRI.Y.MAHENDRANATH REDDY
IN Compartment No.313, Ext.3.960, Bhanumukkal (V),
Banaganapalli (M) Kumool District (New Nandyal District), Andhra Pradesh.

TOPOGRAPHICAL CUM GEOLOGICAL PLAN

Applicant:- SRI.Y.MAHENDRANATH REDDY,
S/o Y.Maddury Reddy,
H.No.2/23-4-16, Near G.M.Taluk,
Banaganapalli Village & Mandal,
Kumool District,
Andhra Pradesh State.

CONTOURS INTERVAL:- 2.0 m SCALE:- 1:1500

Y Mahendra Nath Reddy

Signature of Applicant

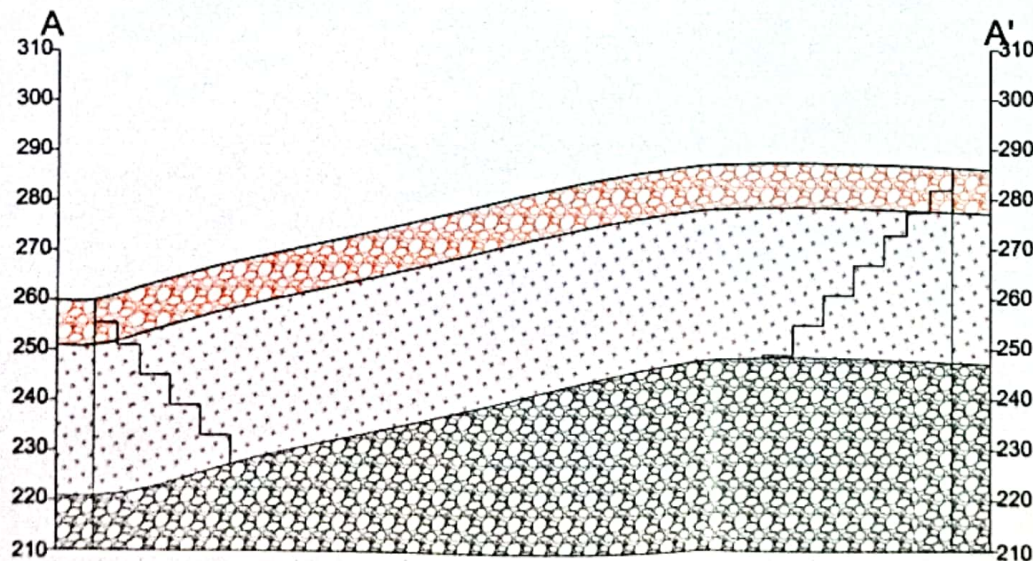
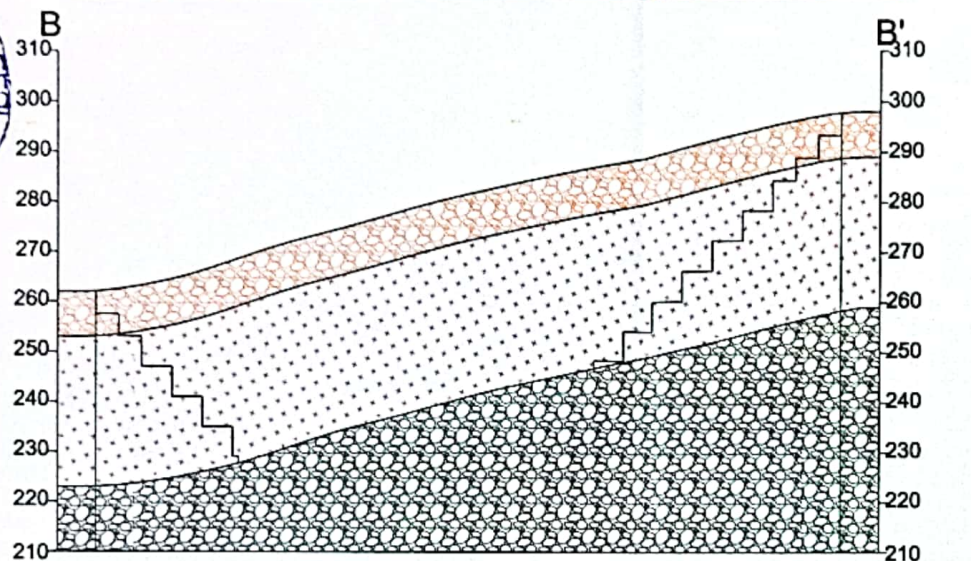
APPROVED

G. L. S. R. Reddy
Signature of R.Q.P.
G. L. S. R. REDDY, M.Sc., B.L., Ph.D.,
Recognised Geologist
IBN/RQ/HYD/302/2013/A
RQPI/MC/AP/37/2014

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.



GEOLOGICAL CROSS SECTIONS



APPROVED

SCALE

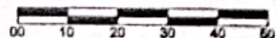


PLATE - IV

| INDEX | |
|-------|--------------------|
| | OB |
| | ROAD METAL |
| | BLACK SHALE |
| | BUFFER ZONE |
| | PROVED ZONE |
| UPL | ULTIMATE PIT LEVEL |

MODIFIED MINING PLAN FOR ROAD METAL

SRI.Y.MAHENDRANATH REDDY
IN Compartment.No.313, Ext.3.960, Bhanumukkal (V),
Banaganapalli (M) Kurnool District (New Nandyal District), Andhra Pradesh.

GEOLOGICAL CROSS SECTIONS

Applicant:- SRI.Y.MAHENDRANATH REDDY,
S/o Y. Madhavi Reddy,
H.No.2/23-4-18, Near G.M. Taluk,
Banaganapalli Village & Mandal,
Kurnool District,
Andhra Pradesh State.

CONTOURS INTERVAL:- 2.0 m

SCALE:- 1:1000

Y Mahendranath Reddy

Signature of Applicant

G. LSWAR REDDY

Signature of R.Q.P
G. LSWAR REDDY, M.Sc., B.L., Ph.D.,
Recognised Geologist
IBMR/RYD/302/2012/A
R.Q.P./M.C.A.P/17/2014

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.

YEAR-WISE WORKING PLAN & SECTIONS FOR FIVE YEARS



Geo Coordinates of lease area Datum WGS-84
Road Pillars

| BOUNDARY PILLARS | | |
|------------------|--------------------|--------------------|
| POINTS | LATITUDE | LONGITUDE |
| R1 | N15° 18' 33.65813" | E78° 11' 37.35451" |
| R2 | N15° 18' 32.61931" | E78° 11' 37.43701" |
| R3 | N15° 18' 32.62525" | E78° 11' 37.62552" |
| R4 | N15° 18' 31.47721" | E78° 11' 37.52275" |
| R5 | N15° 18' 31.38507" | E78° 11' 37.73858" |
| R6 | N15° 18' 30.38584" | E78° 11' 37.60256" |
| R7 | N15° 18' 30.34548" | E78° 11' 37.62232" |

Geo Coordinates of lease area Datum WGS-84
Mining Area

| BOUNDARY PILLARS | | | BOUNDARY PILLARS | | |
|------------------|--------------------|--------------------|------------------|--------------------|--------------------|
| POINTS | LATITUDE | LONGITUDE | POINTS | LATITUDE | LONGITUDE |
| B1 | N15° 18' 34.41744" | E78° 11' 37.19311" | B11 | N15° 18' 33.86321" | E78° 11' 37.34388" |
| B2 | N15° 18' 34.34447" | E78° 11' 37.34447" | B12 | N15° 18' 33.84447" | E78° 11' 37.34447" |
| B3 | N15° 18' 34.34447" | E78° 11' 37.34447" | B13 | N15° 18' 33.84447" | E78° 11' 37.34447" |
| B4 | N15° 18' 34.34447" | E78° 11' 37.34447" | B14 | N15° 18' 33.84447" | E78° 11' 37.34447" |
| B5 | N15° 18' 34.34447" | E78° 11' 37.34447" | B15 | N15° 18' 33.84447" | E78° 11' 37.34447" |
| B6 | N15° 18' 34.34447" | E78° 11' 37.34447" | B16 | N15° 18' 33.84447" | E78° 11' 37.34447" |
| B7 | N15° 18' 34.34447" | E78° 11' 37.34447" | B17 | N15° 18' 33.84447" | E78° 11' 37.34447" |
| B8 | N15° 18' 34.34447" | E78° 11' 37.34447" | B18 | N15° 18' 33.84447" | E78° 11' 37.34447" |
| B9 | N15° 18' 34.34447" | E78° 11' 37.34447" | B19 | N15° 18' 33.84447" | E78° 11' 37.34447" |
| B10 | N15° 18' 34.34447" | E78° 11' 37.34447" | B20 | N15° 18' 33.84447" | E78° 11' 37.34447" |

Geo Coordinates of lease area Datum WGS-84
Safety Zone Area

| BOUNDARY PILLARS | | | BOUNDARY PILLARS | | |
|------------------|--------------------|--------------------|------------------|--------------------|--------------------|
| POINTS | LATITUDE | LONGITUDE | POINTS | LATITUDE | LONGITUDE |
| M1 | N15° 18' 34.52795" | E78° 11' 37.42733" | M11 | N15° 18' 33.33599" | E78° 11' 37.29672" |
| M2 | N15° 18' 34.54752" | E78° 11' 35.86152" | M12 | N15° 18' 33.40536" | E78° 11' 31.81825" |
| M3 | N15° 18' 34.55172" | E78° 11' 34.81186" | M13 | N15° 18' 33.47098" | E78° 11' 33.23118" |
| M4 | N15° 18' 34.55405" | E78° 11' 32.86448" | M14 | N15° 18' 33.53603" | E78° 11' 34.54672" |
| M5 | N15° 18' 34.55117" | E78° 11' 31.83443" | M15 | N15° 18' 33.61008" | E78° 11' 35.28378" |
| M6 | N15° 18' 34.54918" | E78° 11' 30.28625" | M16 | N15° 18' 33.68085" | E78° 11' 37.53538" |
| M7 | N15° 18' 34.54534" | E78° 11' 30.27313" | M17 | N15° 18' 35.01732" | E78° 11' 37.50707" |
| M8 | N15° 18' 37.11186" | E78° 11' 30.27807" | M18 | N15° 18' 36.37484" | E78° 11' 37.47814" |
| M9 | N15° 18' 35.84373" | E78° 11' 30.28625" | M19 | N15° 18' 37.83292" | E78° 11' 37.45318" |
| M10 | N15° 18' 34.55532" | E78° 11' 30.28625" | | | |

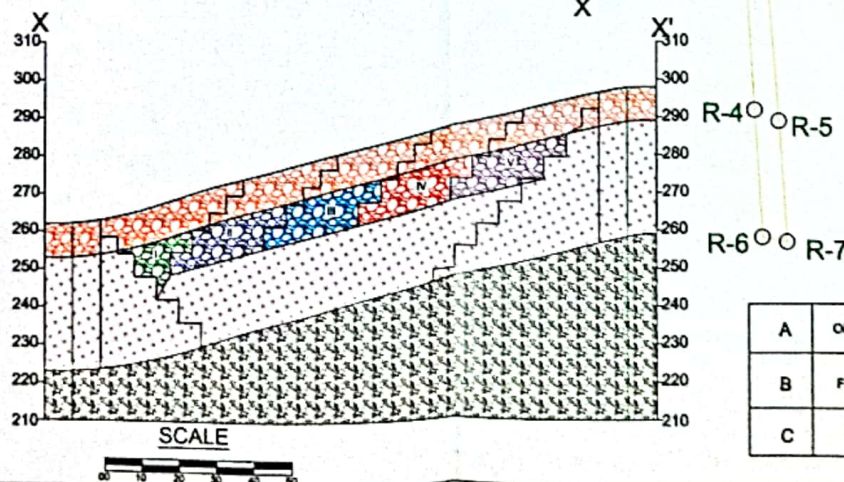
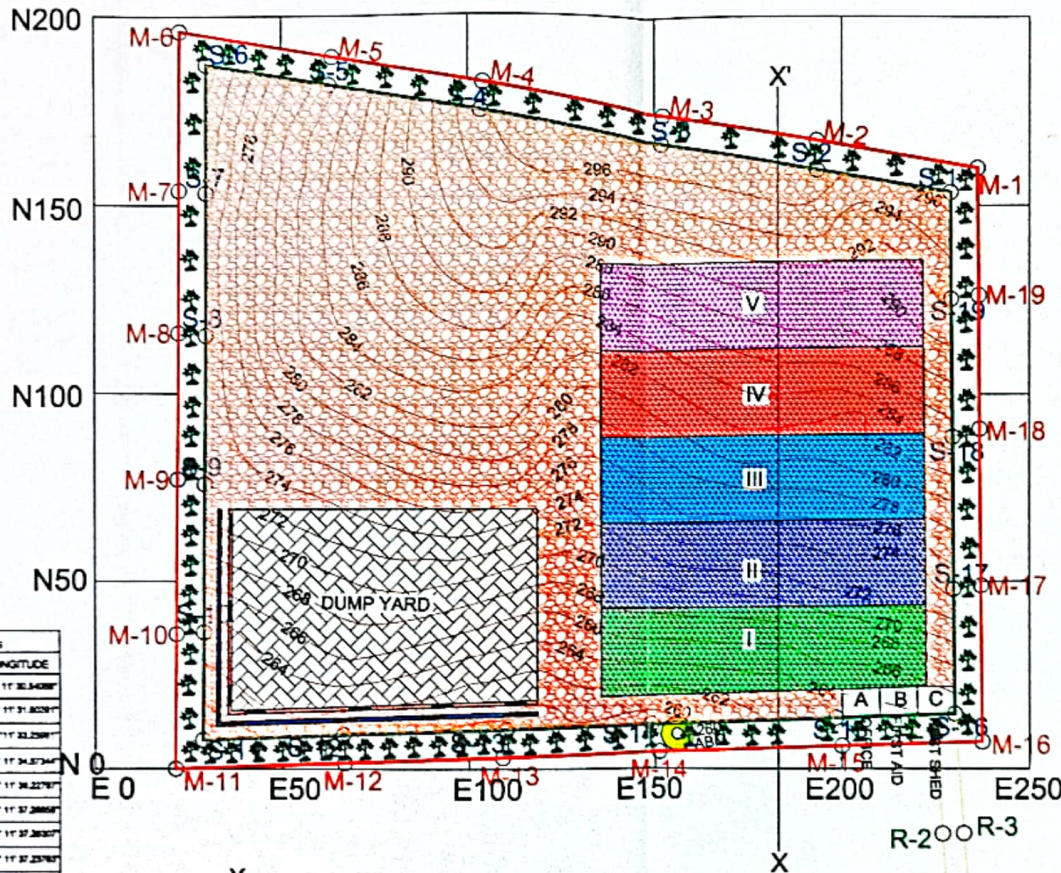


PLATE - V



| INDEX | |
|-------|--------------------|
| | ASSUMED BENCH MARK |
| | LEASE BOUNDARY |
| | CONTOURS |
| | ROAD |
| | BUFFER ZONE |
| | PROPOSED DUMP YARD |
| | ROAD METAL |
| | BLACK SHALE |
| | SECTION LINE |
| | IMPROVED ZONE |
| | ULTIMATE PIT LEVEL |
| | RETAINING WALL |
| | DRAINAGE |

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

MODIFIED MINING PLAN FOR ROAD METAL

SRI.Y.MAHENDRANATH REDDY
IN Compartment No.313, Ext.3.960, Bhanumukkal (V),
Banaganapalli (M) Kumool District (New Nandyal District), Andhra Pradesh.

YEAR WISE WORKING PLAN & SECTIONS FOR
FIVE YEARS

Applicant:- SRI.Y.MAHENDRANATH REDDY,
S/o Y.Mahendranath Reddy,
H.No.223-4-16, Near G.M.Talkies,
Banaganapalli Village & Mandal,
Kumool District,
Andhra Pradesh State.

CONTOURS INTERVAL:- 2.0 m

SCALE:- 1:1500

Y.Mahendranath Reddy
Signature of Applicant

APPROVED

G. Ishwar Reddy
Signature of R.Q.P
G. ISHWAR REDDY, M.Sc. B.L.Ph.D.,
Recognised Geologist
IBMRQ/101/D/302/2013/A
R.Q.P./M.C.A./101/2014

| | |
|---|-----------|
| A | OFFICE |
| B | FIRST AID |
| C | REST SHED |

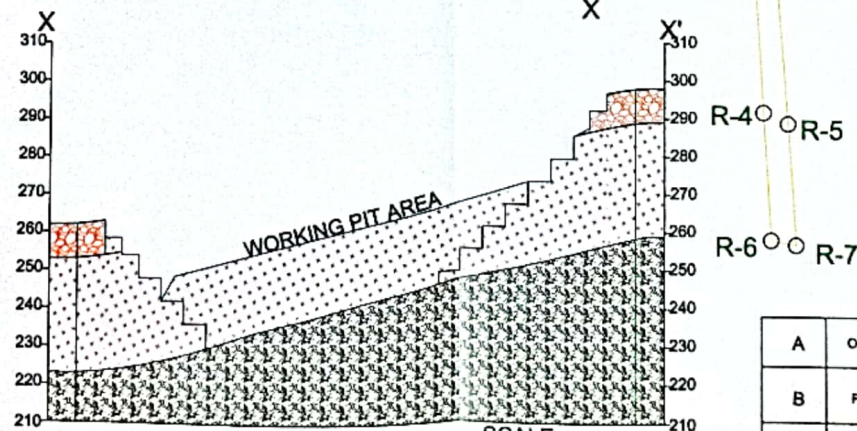
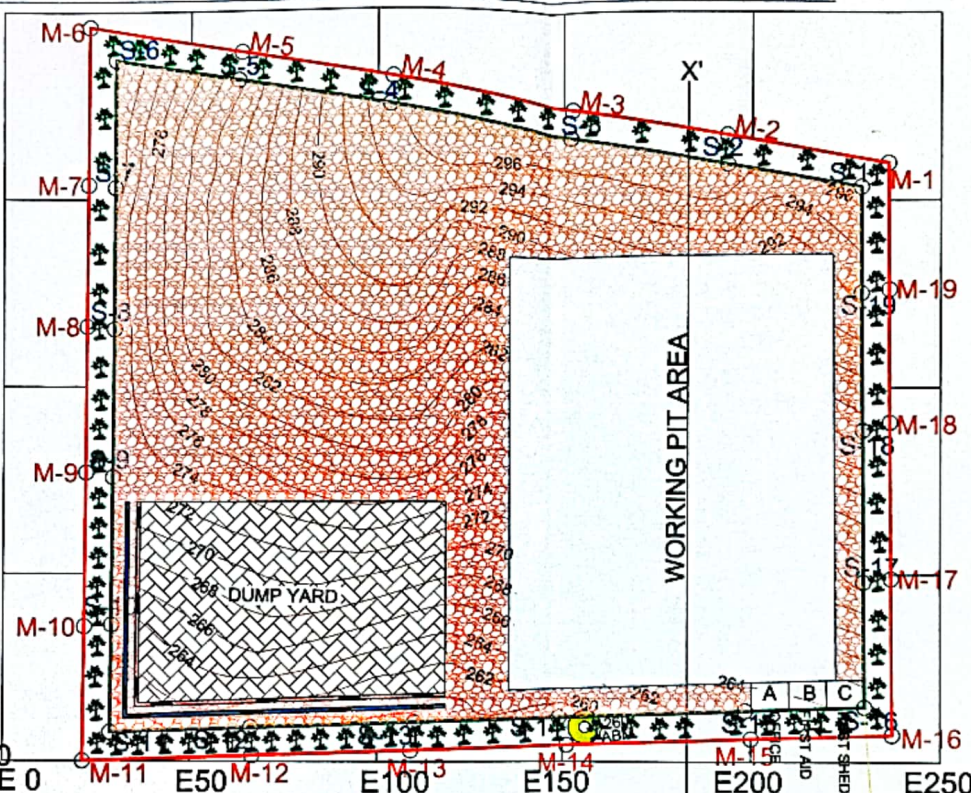
THIS IS TO CERTIFY THAT THE INFORMATION IN THIS PLATE
IS TRUE AND CORRECT TO THE BEST OF KNOWLEDGE BASED
UP ON LEASE MAP AUTHENTICATED BY STATE GOVERNMENT.

PLATE - VI

| BOUNDARY PILLARS | | |
|------------------|--------------------|--------------------|
| POINTS | LATITUDE | LONGITUDE |
| R1 | N15° 18' 33.65913" | E78° 11' 37.35451" |
| R2 | N15° 18' 32.61931" | E78° 11' 37.43701" |
| R3 | N15° 18' 32.62525" | E78° 11' 37.62552" |
| R4 | N15° 18' 31.47721" | E78° 11' 37.52275" |
| R5 | N15° 18' 31.38507" | E78° 11' 37.73858" |
| R6 | N15° 18' 30.38584" | E78° 11' 37.60256" |
| R7 | N15° 18' 30.34848" | E78° 11' 37.82232" |

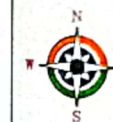
| BOUNDARY PILLARS | | | BOUNDARY PILLARS | | |
|------------------|---------------------|--------------------|------------------|---------------------|--------------------|
| POINTS | LATITUDE | LONGITUDE | POINTS | LATITUDE | LONGITUDE |
| 81 | N10° 18' 38.4174" E | 87° 11' 37.1913" E | 811 | N10° 18' 33.8621" E | 87° 11' 36.5458" E |
| 82 | N10° 18' 38.3648" E | 87° 11' 36.9681" E | 812 | N10° 18' 33.8481" E | 87° 11' 37.0029" E |
| 83 | N10° 18' 38.8033" E | 87° 11' 34.8018" E | 813 | N10° 18' 33.7407" E | 87° 11' 35.2581" E |
| 84 | N10° 18' 36.2612" E | 87° 11' 32.8701" E | 814 | N10° 18' 33.7442" E | 87° 11' 34.5734" E |
| 85 | N10° 18' 36.4255" E | 87° 11' 30.8047" E | 815 | N10° 18' 33.8518" E | 87° 11' 36.2779" E |
| 86 | N10° 18' 36.4255" E | 87° 11' 30.8047" E | 816 | N10° 18' 33.8062" E | 87° 11' 37.2286" E |
| 87 | N10° 18' 36.3210" E | 87° 11' 30.1362" E | 817 | N10° 18' 34.9537" E | 87° 11' 37.3837" E |
| 88 | N10° 18' 37.0627" E | 87° 11' 30.5778" E | 818 | N10° 18' 36.3062" E | 87° 11' 37.2293" E |
| 89 | N10° 18' 37.0627" E | 87° 11' 30.5778" E | 819 | N10° 18' 37.4870" E | 87° 11' 37.2091" E |
| 910 | N10° 18' 34.5291" E | 87° 11' 30.6381" E | | | |

| Safety Zone A | | | | | |
|------------------|--------------------|--------------------|------------------|-------------------|--------------------|
| BOUNDARY PILLARS | | | BOUNDARY PILLARS | | |
| POINTS | LATITUDE | LONGITUDE | POINTS | LATITUDE | LONGITUDE |
| M1 | N15° 1' 36.62795" | E78° 11' 37.42733" | M11 | N15° 1' 33.33598" | E78° 11' 30.29672" |
| M2 | N15° 1' 36.64752" | E78° 11' 35.99152" | M12 | N15° 1' 33.40538" | E78° 11' 31.81928" |
| M3 | N15° 1' 36.05172" | E78° 11' 34.81188" | M13 | N15° 1' 33.47098" | E78° 11' 33.23118" |
| M4 | N15° 1' 36.29405" | E78° 11' 32.88949" | M14 | N15° 1' 33.53603" | E78° 11' 34.94672" |
| M5 | N15° 1' 36.50117" | E78° 11' 31.53463" | M15 | N15° 1' 33.61008" | E78° 11' 36.28378" |
| M6 | N15° 1' 36.70918" | E78° 11' 30.26629" | M16 | N15° 1' 33.66085" | E78° 11' 37.53538" |
| M7 | N15° 1' 36.34039" | E78° 11' 30.27313" | M17 | N15° 1' 36.01733" | E78° 11' 37.50707" |
| M8 | N15° 1' 36.371198" | E78° 11' 30.27807" | M18 | N15° 1' 36.37494" | E78° 11' 37.47614" |
| M9 | N15° 1' 35.84373" | E78° 11' 30.28626" | M19 | N15° 1' 37.32992" | E78° 11' 37.45316" |
| M10 | N15° 1' 34.50632" | E78° 11' 30.29366" | | | |




SCALE

| | |
|---|-----------|
| A | OFFICE |
| B | FIRST AID |
| C | REST SHED |



| | INDEX |
|--|---------------------------------------|
| | ROAD AND RT HIGHWAY LEASE BOUNDARY |
| | CONTOURS |
| | ROAD |
| | BUFFER ZONE |
| | PROPOSED DUMP YARD |
| | ROAD METAL |
| | OS |
| | BLACK SHALE SECTION LINE |
| | PROPOSED ZONE |
| | LA TITIMA RT LEVEL |
| | RT HIGHWAY |

| | |
|-----------|---|
| INDEX | |
| YEAR WISE | PLANTATION |
| 1-YEAR |  |

MODIFIED MINING PLAN FOR ROAD METAL

SRI.Y.MAHENDRANATH REDDY
IN Compartment.No.313, Ext.3.960, Bhanumukkalai (V),
Banaganapalli (M) Kurnool District (New Nandyal District), Andhra Pradesh.

CONCEPTUAL PLAN AND SECTIONS

Applicant:- **SRI.Y.MAHENDRANATH REDDY,**
S/o Y.Maddireddy Reddy,
H.No.2/23-4-16, Near G.M.Tailoos,
Banaganapalli Village & Mandal,
Kumool District,
Andhra Pradesh State.

CONTOURS INTERVAL:- 2.0 m

SCALE:- 1:1500

Y. Mahendra Nath Reddy

Signature of Applicant

APPROVED

Signature of R.Q.P
G. ESTHAR REDDY, M.Sc., B.L. Ph.D.,
Recognised Geologist
IBM/RQ/RYD/302/2010/A
RQP/SM/RYD/07/2014

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.

ENVIRONMENT PLAN

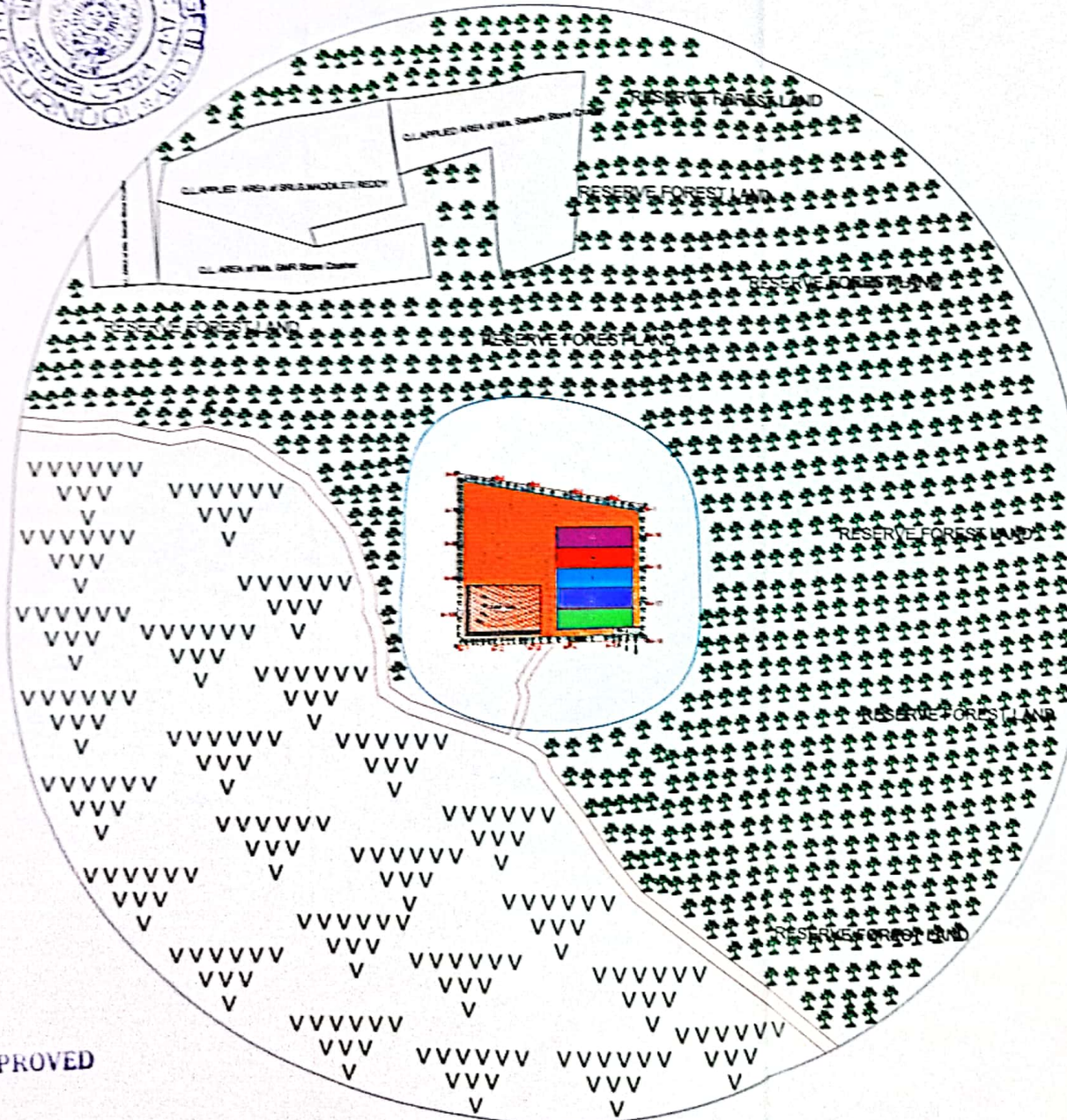


PLATE - VII

| INDEX | |
|-------|--------------------|
| | ASSUMED BENCH MARK |
| | LEASE BOUNDARY |
| | CONTOURS |
| | PIT |
| | ROAD |
| | FOREST LAND |
| | AGRICULTURE LAND |
| | 60m BUFFER ZONE |
| | 500m BUFFER ZONE |
| | PROPOSED DUMP YARD |
| | VILLAGES |
| | HILLOCKS |

MODIFIED MINING PLAN FOR ROAD METAL

SRI.Y.MAHENDRANATH REDDY
IN Compartment No.313, Ext.3.960, Shanmukhala (V),
Banaganapalli (M) Kurumool District (New Nandyal District), Andhra Pradesh.

ENVIRONMENT PLAN

Applicant- SRI.Y.MAHENDRANATH REDDY,
S/o Y. Madhavi Reddy,
H.No.223-4-16, Near G.M. Taluk,
Banaganapalli Village & Mandal,
Kurumool District,
Andhra Pradesh State.

CONTOURS INTERVAL- 2.0 m SCALE- 1:5000

Y. Mahendranath Reddy

Signature of Applicant

G. Eswar Reddy

Signature of R.Q.P.
G. ESWAR REDDY, M.Sc., B.L. Ph.D.,
Recognised Geologist
IBN/RQ/19/0302/2010-A
RCP/OMC/AP/07/2014

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IS TRUE AND CORRECT TO THE BEST OF KNOWLEDGE BASED
UP ON LEASE MAP AUTHENTICATED BY STATE GOVERNMENT.

FINANCIAL ASSURANCE PLAN

PLATE - VIII

439

Geo Coordinates of lease area Datum WGS-84
Road Point

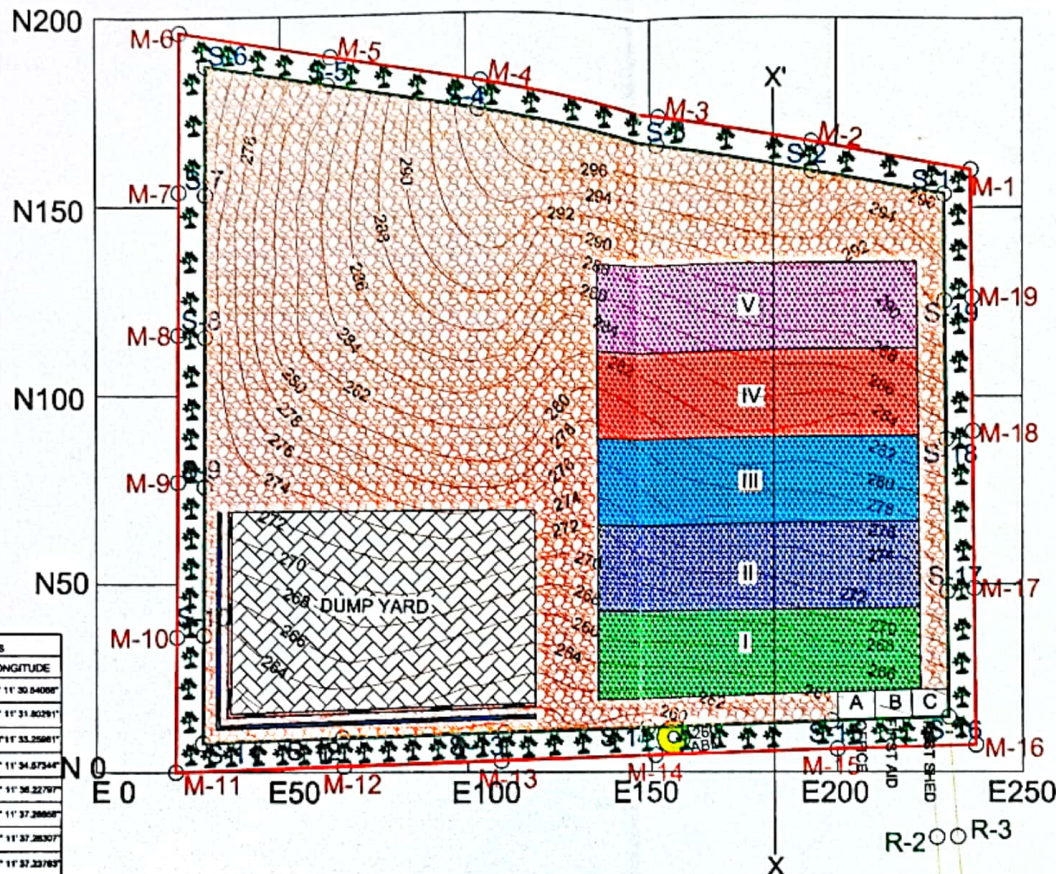
| BOUNDARY PILLARS | | |
|------------------|--------------------|--------------------|
| POINTS | LATITUDE | LONGITUDE |
| R1 | N15° 18' 33.65913" | E78° 11' 37.35451" |
| R2 | N15° 18' 32.61931" | E78° 11' 37.43701" |
| R3 | N15° 18' 32.62525" | E78° 11' 37.62552" |
| R4 | N15° 18' 31.47721" | E78° 11' 37.52275" |
| R5 | N15° 18' 31.38507" | E78° 11' 37.73858" |
| R6 | N15° 18' 30.38584" | E78° 11' 37.60256" |
| R7 | N15° 18' 30.34848" | E78° 11' 37.82232" |

Geo Coordinates of lease area Datum WGS-84
Mining Area

| BOUNDARY PILLARS | | | BOUNDARY PILLARS | | |
|------------------|--------------------|--------------------|------------------|--------------------|--------------------|
| POINTS | LATITUDE | LONGITUDE | POINTS | LATITUDE | LONGITUDE |
| B1 | N15° 18' 36.41734" | E78° 11' 37.19131" | B11 | N15° 18' 33.89321" | E78° 11' 30.84086" |
| B2 | N15° 18' 36.59487" | E78° 11' 36.98617" | B12 | N15° 18' 33.84818" | E78° 11' 31.80291" |
| B3 | N15° 18' 36.80332" | E78° 11' 34.80161" | B13 | N15° 18' 33.71407" | E78° 11' 33.25861" |
| B4 | N15° 18' 36.08012" | E78° 11' 32.87012" | B14 | N15° 18' 33.77462" | E78° 11' 34.87344" |
| B5 | N15° 18' 36.42367" | E78° 11' 30.50474" | B15 | N15° 18' 33.86188" | E78° 11' 37.28868" |
| B6 | N15° 18' 36.42367" | E78° 11' 30.50474" | B16 | N15° 18' 33.86862" | E78° 11' 37.28868" |
| B7 | N15° 18' 36.32198" | E78° 11' 30.81362" | B17 | N15° 18' 34.95337" | E78° 11' 37.28307" |
| B8 | N15° 18' 37.08233" | E78° 11' 30.62739" | B18 | N15° 18' 36.30362" | E78° 11' 37.33763" |
| B9 | N15° 18' 36.80367" | E78° 11' 30.52739" | B19 | N15° 18' 37.48708" | E78° 11' 37.30881" |
| B10 | N15° 18' 34.52512" | E78° 11' 30.53881" | | | |

Geo Coordinates of lease area Datum WGS-84
Safety Zone Area

| BOUNDARY PILLARS | | | BOUNDARY PILLARS | | |
|------------------|--------------------|--------------------|------------------|--------------------|--------------------|
| POINTS | LATITUDE | LONGITUDE | POINTS | LATITUDE | LONGITUDE |
| M1 | N15° 18' 36.62795" | E78° 11' 37.42733" | M11 | N15° 18' 33.33598" | E78° 11' 30.29072" |
| M2 | N15° 18' 38.84752" | E78° 11' 35.99152" | M12 | N15° 18' 33.40536" | E78° 11' 31.81925" |
| M3 | N15° 18' 36.05172" | E78° 11' 34.81180" | M13 | N15° 18' 33.47098" | E78° 11' 33.23118" |
| M4 | N15° 18' 36.25645" | E78° 11' 32.98940" | M14 | N15° 18' 33.53603" | E78° 11' 34.84072" |
| M5 | N15° 18' 36.50117" | E78° 11' 31.63463" | M15 | N15° 18' 33.81008" | E78° 11' 36.28378" |
| M6 | N15° 18' 36.70618" | E78° 11' 30.28525" | M16 | N15° 18' 33.80085" | E78° 11' 37.53538" |
| M7 | N15° 18' 36.34039" | E78° 11' 30.27313" | M17 | N15° 18' 35.01733" | E78° 11' 37.60707" |
| M8 | N15° 18' 37.11196" | E78° 11' 30.27867" | M18 | N15° 18' 36.37494" | E78° 11' 37.47614" |
| M9 | N15° 18' 35.84373" | E78° 11' 30.28529" | M19 | N15° 18' 37.53262" | E78° 11' 37.45318" |
| M10 | N15° 18' 34.50532" | E78° 11' 30.29396" | | | |



| Sl. No. | Head | Area put on the lease at the time of start of plan (Ha.) | Additional requirement during the plan period (Ha.) | Total (in Ha.) | Area considered fully reclaimed and rehabilitated | Net area considered for calculation |
|---------|----------------------|--|---|----------------|---|-------------------------------------|
| 1 | Area under mining | 0.0000 | 1.0000 | 1.0000 | Nil | 1.0000 |
| 2 | Storage for top soil | -- | -- | -- | Nil | 0.4266 |
| 3 | Overburden dump | 0.0000 | 0.4266 | 0.4266 | Nil | 0.4266 |
| 4 | Roads | 0.0000 | 0.0600 | 0.0600 | Nil | 0.0600 |
| 5 | Infrastructure | 0.0000 | 0.0150 | 0.0150 | -- | 0.0150 |
| 6 | Railways | -- | -- | -- | -- | -- |
| 7 | Tailing pond | -- | -- | -- | -- | -- |
| 8 | Others | -- | -- | -- | -- | -- |
| | SUB-TOTAL | 0.0000 | 1.5016 | 1.5016 | -- | 1.5016 |
| | Green Belt | -- | 0.5900 | 0.5900 | -- | 0.5900 |
| | Virgin area | 3.9600 | 1.8684 | 1.8684 | Nil | 1.8684 |
| | TOTAL | 3.9600 | 3.9600 | 3.9600 | | 3.9600 |

SCALE



| INDEX | |
|-------|--------------------|
| | ADJUSTED BY MAP |
| | LEASE BOUNDARY |
| | CONTOURS |
| | ROAD |
| | BUFFER ZONE |
| | PROPOSED DUMP YARD |
| | ROAD METAL |
| | CR |
| | BLACK SHALE |
| | SECTION LINE |
| | PROPOSED ZONE |
| | UPL |
| | ULTIMATE PIT LEVEL |
| | RETAINING WALL |
| | GASLAND DRAIN |

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

MODIFIED MINING PLAN FOR ROAD METAL

SRI.Y.MAHENDRANATH REDDY
IN Compartment No.313, Ext.3.960, Bhanumukkal (V),
Banaganapalli (M) Kumool District (New Nandyal District), Andhra Pradesh.

FINANCIAL ASSURANCE PLAN

Applicant:- SRI.Y.MAHENDRANATH REDDY,
S/o Y.Maddhury Reddy,
H.No.2/23-4-18, Near G.M.Talkies,
Banaganapalli Village & Mandal,
Kumool District,
Andhra Pradesh State.

CONTOURS INTERVAL:- 2.0 m

SCALE:- 1:1500

Y Mahendra Nath Reddy

Signature of Applicant

APPROVED

Signature of R.O.P.
Recognised Geologist
IDMR/QR/0302/2010 A
RCP/DMG/PI/07/2014

| | |
|---|-----------|
| A | OFFICE |
| B | FIRST AID |
| C | REST SHED |

THIS IS TO CERTIFY THAT THE INFORMATION IN THIS PLATE
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