

**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. EFS02-15029/59/2018-FCA SEC-PCCF/FCA-2 , Dated:16.06.2023.

Sir,

Sub:- APFD – F (C) Act, 1980 – Diversion of forest land over an extent of 2.90 ha in Compartment no.313, Gulamaliabad South Reserve Forest, Dhone Range, Kurnool Division & District in favour of M/s Sainath Stone Crushers (Mg.Partner: Y. Balathimma Reddy) for grant of quarry lease for road metal -
- Additional information requested - Submitted - Reg.

Ref:- 1. GoI, MoEF&CC, IRO, Vijayawada in their Lr.No.4-APB203/2023-VIJ/807, dt.30.03.2023 communicated in Government Memo.No.2967/Section.II/2022/1930739, EFS&T (Sec.II) Dept., dt.18.04.2023.
2. Representation Mg.Partner, M/s Sainath Stone Crushers, Nandyal District, dt. 18.05.2023.

••<3080>••

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 2.90 ha in Compartment no.313, Gulamaliabad South Reserve Forest, Dhone Range, Kurnool Division & District in favour of M/s Sainath Stone Crushers (Mg.Partner: Y. Balathimma Reddy) for grant of quarry lease for road metal, so as to submit the same to GoI, 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.

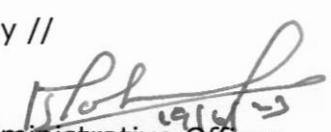
The modified mining plan is submitted herewith. The Government are requested to forward the same to the GoI, MoEF&CC, IRO, Vijayawada for consideration of the subject proposal.

Encl:- As above.

Yours faithfully,

Sd/- Y.Madhusudhana Reddy
Prl.Chief Conservator of Forests &
Head of Forest Force

// True Copy //


Administrative Officer

G2
16/6/2023

Date: 17.05.2023

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 2.90 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 M/s Sainath Stone Cruhsers (Mg.Partner: Sri Y.Balathimma Reddy) - Reg.

Ref:- 1. IGF (Central), GoI, MoEF&CC, IRO, Vijayawada No.4-APB203/2023-VIJ/807, dt.30.03.2023.
2. Govt.Memo.No.2967/Section.II/2022, EFS&T (Sec.II) Dept., dt.18.04.2023.
3. DMGO, Kurnool, Lr.no.594/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. Balathimma Reddy

M/s.Sainath Stone Cruhsers

(Mg.Partner: Sri Y.Balathimma Reddy)

FCA
17/05/23

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

From,

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

To,

M/s Sainath Stone Crushers,
Mg. Partner: Sri Y. Balathimma Reddy
S/o Sri Y. Konda Reddy
Banaganapalle (V) & (M)
Nandyal District
Cell No.9440821279

Letter No.594/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 2.900 Hectares in Comp.No.313 of Gulamalaiabad South R.F, Kurnool Division, Bhanumukkala Village, Banaganapalle Mandal, Nandyal District in favour of **M/s Sainath Stone Crushers, Mg. Partner: Sri Y. Balathimma 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. Prodgs.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.2182/MP/2021, Dated: 14.12.2021 (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.594/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 2.900 Hectares in Comp.No.313 of Gulamalaiabad South R.F, Kurnool Division, Bhanumukkala Village, Banaganapalle Mandal, Nandyal District in favour of M/s Sainath Stone Crushers, Mg. Partner: Sri Y. Balathimma Reddy.** This approval is subject to following conditions.

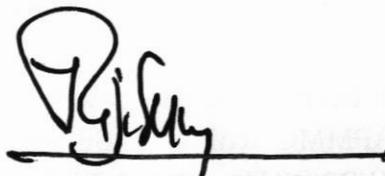
- 1) This Modified Mining Plan (including Progressive Mine Closure Plan) is approved without prejudice to any other laws applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority.
- 2) It is clarified that this approval of the Modified 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..

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- 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 2.900 Hects. (MINING AREA.2.270 HA,
SAFETY ZONE AREA: 0.6100 HA & ROAD AREA: 0.0200 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

**M/s. SAINATH STONE CRUSHERS
Mg.Pt:Sri.Y. BALATHIMMA REDDY,**

**H.No: 2-23-4-18, Kareembag Colony,
Banaganapalle -518124,
Kurnool District.(New Nandyal District).
Andhra Pradesh State.**

Pin Code of Lease applied Area: 518124.

E-mail:ybtr123@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



This Modified Mining Plan for quarry lease area for Road Metal over an extent of 2.900 Hects. 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. Bala Thimmappa

(M/S. Sainath Stone Crushers)

CERTIFICATE

This is to certify that Modified Mining Plan in respect of quarry lease area for Road Metal over an extent of 2.900 Hects. 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. Bala Thimmappa

(M/S. Sainath Stone Crushers)



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 2.900 Hects. 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 Modified Mining Plan is correct to the best of my knowledge.

Date : -05-2023.

SIGNATURE OF THE RQP

Place: Anantapuramu.

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



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LIST OF ANNEXURES

ANNEXURE – I	Photographs of the Area
ANNEXURE – II	Application copy dated:13-05-2017.
ANNEXURE – III	Copy of the Ref. No. EFSO2-15029-/59/2018-FCA SEC-PCCF/FCA-1, Dated:01-08-2021 PCCF, Guntur AP-522004.
ANNEXURE – IV	Copy of the AMP Approaval Letter DDM&G,Kurnool.
ANNEXURE – V	Copy of the MOEF&CC, IRO, Vijayawada, Dt:30-03-2023.
ANNEXURE – VI	Copy of the Partnership deed.
ANNEXURE – VII	Copy of the Registration Certificate of R.Q.P

7378754/2023/FOAMDCCF
PROPOSED MINING PLAN & PROGRESSIVE MINE CLOSURE PLAN FOR ROAD METAL OVER AN EXTENT OF 2.900 Hect. LOCATED IN COMPARTMENT. NO.313, OF GULAMALIABAD SOUTH RESERVES FOREST, DHONE RANGE KURNOOL DIVISION BHANUMUKKALA VILLAGE, BANAGANAPALLE MANDAL, KURNOOL DISTRICT (NEW NANDYAL DISTRICT), ANDHRA PRADESH STATE.

Introduction

M/s. Sainath Stone Crushers, Mg. Part: Y. Bala Thimma Reddy has filed an application for grant of Quarry Lease for **Road Metal** over an extent of 3.000 hectares in Compartment. No.313 of Gulamaliabad South Reserves Forest, Dhone Range, Kurnool Division, Bhanumukkala village, Banaganapalle Mandal, Kurnool District (New Nandyal District) in the office of ADM&G, Banaganapalle on Meeseva on 13-05-2017 and received in office 15-05-2017.

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 2.900 hectares in Compartment. No.313 of Gulamaliabad South Reserves Forest, Dhone Range, Kurnool Division, Bhanumukkala village, Banaganapalle Mandal, Kurnool District (New Nandyal District) for a period of 10 years in favour of **M/s. Sainath Stone Crushers, Mg. Part: Y. Bala Thimma 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 2.900 hectares in Compartment. No. 313 of Gulamaliabad South Reserves Forest, Dhone Range, Kurnool Division, Bhanumukkala village, Banaganapalle Mandal, Kurnool District (New Nandyal District) for a period of 10 years in favour of **M/s. Sainath Stone Crushers, Mg. Part: Y. Bala Thimma Reddy**,. Vide Lr: No. 21990/R4-2/2017, dated: 24-10-2017 to get the Forest clearance from PCCF & HoFF, A.P. Guntur, Ref. No. EFSO2-15029/59/2018-FCASEC-PCCF/FCA-1, Dt:01-08-2021 as per APFD-F (C) Act, 1980- Diversion of forest land over an extent of 2.90 ha. in Compartment No.313, Gulamaliabad South Reserve Forest, Dhone Range, Kurnool Division &

This Mining Plan is approved subject to the
 Conditions/Stipulations indicated in the Mining
 Plan Approval Letter No. 594/MMP-1/2023
 Dated... 16-05-2023

Deputy Director of
 Mines & Geology,
 KURNOOL

7378754/2023/FCA-PCCF of M/s. Sainath Stone Crushers, Mg. Part:Y. Bala Thimma Reddy for grant of quarry lease for Road Metal. Annexure-III.

In this contest Pri. Chief Conservator of Forest & Head of Forest Force, Andhra Pradesh asked to submit additional information of other mining leases for particular mineral with their capacity and annual average annual production and projected further requirements in the state of AP in respect of subject proposal for further processing of the proposal to the Director of Mines & Geology, Ibrahimpatnam.

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. 2128/MP-BPL/2021, Date: 14-12-2021. **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 Modified 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 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 Modified Mining Plan, committee decided to submit Mining Plan by the User Agency Vide F.No.4-APB202/2023-VII/807, Dt:30-03-2023. **Annexure- IV.**

M/s. Sainath Stone Crushers, Mg. Part:Y. Bala Thimma Reddy, approached **Sri.G.Eswar Reddy,** Consultant Geologist & RQP to prepare the Modified Mining Plan following the guidelines and hence this Modified Mining Plan is prepared under Rule 7 (A) of APMMC'1966 and submitted.

1.1	Name and Address of the Lessee	 M/s. Sainath Stone Crushers Mg.Part:Sri.Y. Balathimma Reddy, H.No. 2-23-4-18, Kareembag Colony, Banaganapalle -518124, Kurnool District. Andhra Pradesh State. Pin Code of Lease applied Area: 518124. E-mail: ybtr123@gmail.com Contact No. 9440821279
1.2	Status of the Lessee (Individual/ Private Company/ Firm)	FIRM(Partnership)
1.3	Mineral (s) which are included in the Letter of Intent	ROAD METAL
1.4	Name and Details of person employed for preparing Modified Mining Plan	G.ESWAR REDDY M.Sc., B L., RQP/Geologist, RQP/DMG/AP/07/2014, 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

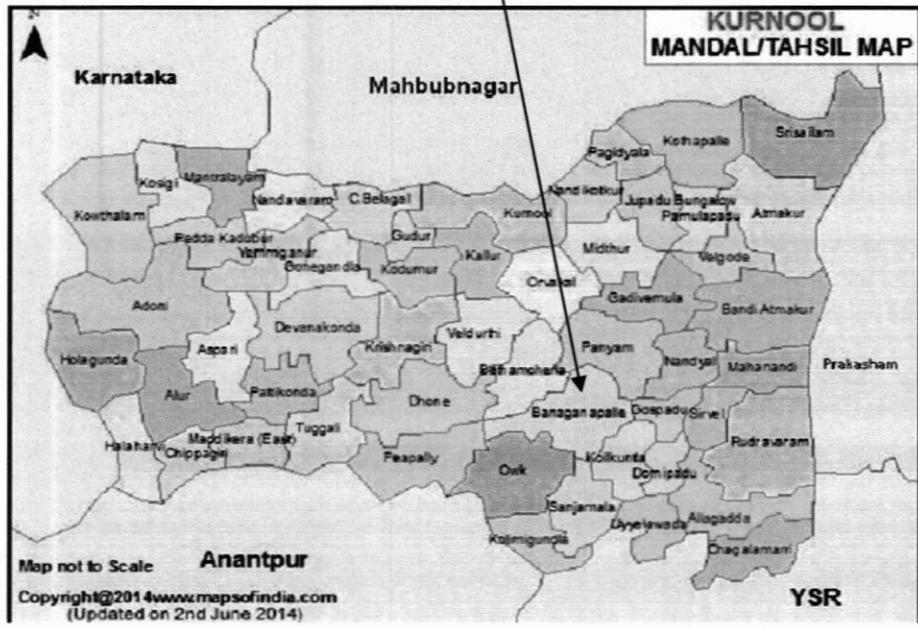
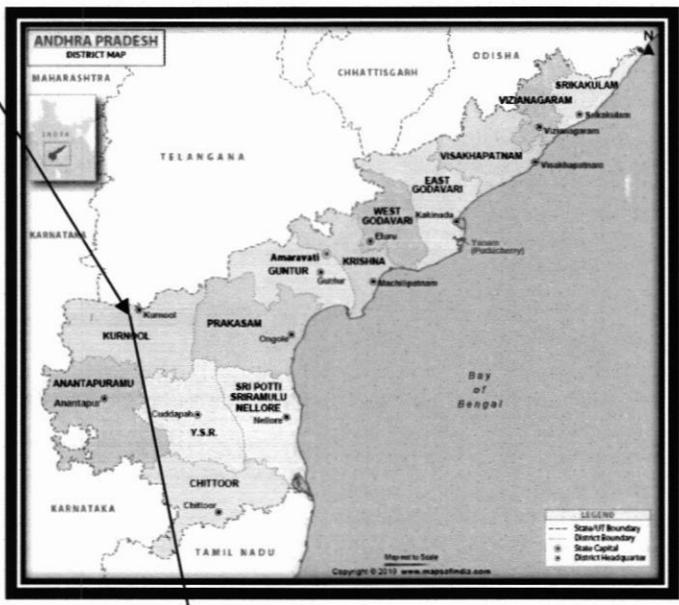
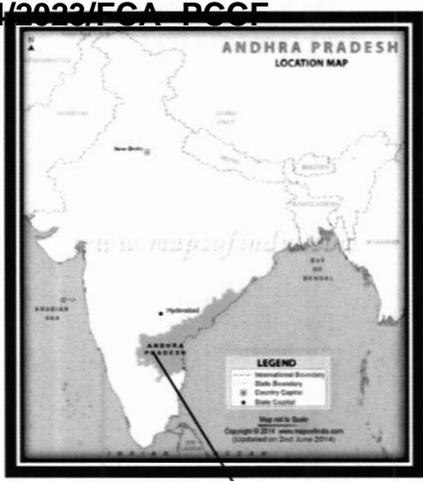
II. LOCATION AND ACCESSIBILITY:**1. Toposheet No. with latitude and longitude of all corner boundary**

pillars: The Quarry lease applied 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
M1	15 ⁰ 18' 50.84745"	78 ⁰ 11' 24.65084"
M2	15 ⁰ 18' 50.87993"	78 ⁰ 11' 25.33487"
M3	15 ⁰ 18' 51.11197"	78 ⁰ 11' 26.94487"
M4	15 ⁰ 18' 51.36634"	78 ⁰ 11' 28.75305"
M5	15 ⁰ 18' 51.73954"	78 ⁰ 11' 30.38449"
M6	15 ⁰ 18' 51.84511"	78 ⁰ 11' 32.09538"
M7	15 ⁰ 18' 50.38683"	78 ⁰ 11' 32.01672"
M8	15 ⁰ 18' 48.57188"	78 ⁰ 11' 31.91033"
M9	15 ⁰ 18' 46.63398"	78 ⁰ 11' 31.81435"
M10	15 ⁰ 18' 45.28953"	78 ⁰ 11' 31.73826"
M11	15 ⁰ 18' 44.90194"	78 ⁰ 11' 30.61635"
M12	15 ⁰ 18' 44.35681"	78 ⁰ 11' 29.02841"
M13	15 ⁰ 18' 46.72565"	78 ⁰ 11' 28.74956"
M14	15 ⁰ 18' 45.21534"	78 ⁰ 11' 28.86145"
M15	15 ⁰ 18' 48.12211"	78 ⁰ 11' 28.64718"
M16	15 ⁰ 18' 49.10536"	78 ⁰ 11' 28.57256"
M17	15 ⁰ 18' 48.67238"	78 ⁰ 11' 27.04341"

7378754/2023/FCA -POCB	15° 18' 48.23606"	78° 11' 25.51611"
M19	15° 18' 48.08276"	78° 11' 25.06337"
M20	15° 18' 49.55204"	78° 11' 24.84163"
S1	15° 18' 50.61886"	78° 11' 24.93643"
S2	15° 18' 50.63908"	78° 11' 25.37882"
B3	15° 18' 50.86756"	78° 11' 26.95744"
B4	15° 18' 51.12935"	78° 11' 28.78294"
S-5	15° 18' 51.49866"	78° 11' 30.4195"
S-6	15° 18' 51.60387"	78° 11' 31.84984"
S-7	15° 18' 50.36784"	78° 11' 31.76955"
B8	15° 18' 48.58145"	78° 11' 31.67211"
B9	15° 18' 46.64356"	78° 11' 31.56333"
B10	15° 18' 45.46994"	78° 11' 31.49807"
B11	15° 18' 45.11657"	78° 11' 30.47451"
S-12	15° 18' 44.68214"	78° 11' 29.21253"
S-13	15° 18' 45.23175"	78° 11' 29.10381"
S-14	15° 18' 46.73852"	78° 11' 28.99046"
S-15	15° 18' 48.22308"	78° 11' 28.88337"
S-16	15° 18' 49.45406"	78° 11' 28.82814"
S-17	15° 18' 48.90219"	78° 11' 26.97712"
S-18	15° 18' 48.46664"	78° 11' 25.44098"
S-19	15° 18' 48.40014"	78° 11' 25.24323"
S-20	15° 18' 49.60683"	78° 11' 25.07356"
ROAD AREA		
R-1	15° 18' 44.53216"	78° 11' 29.00524"
R-2	15° 18' 44.35268"	78° 11' 27.74366"
R-3	15° 18' 44.13659"	78° 11' 27.67141"



7378754/2020/PCA & PGGF **General location map showing area and access routes:**

The QL area is located 1.60 km of Ravvala 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 applied 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 Yagantipalli (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 Bethamcherla which is about 15.5Km & Banaganipalli is at 4.5 km. 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	Compartment. No.	Extent in hec.	Status of occupancy	Pin Code
Andhra Pradesh	Kurnool	Banaganapalle	Bhanumukkala	313	2.900	Forest. land (barren)	518124

The DGPS Sketch prepared by **VVN Technology, Mangalagiri** is Approved By the **ADM&G, Banaganipalli**, in favor of **M/s. Sainath Stone Crushers Mg.Part. Y. Bala Thimma 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 2.5 km.
Port Facility	Nearest Port facilities are at Chennai, Krishnapatnam, Mangalore and Tuticoreine.
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 2.5 km. from the quarry.
Forest Boundary	The applied area is in the forest land.

Boundaries

- North:** Forest Land, Compt. No.313, Bhanumukkala village.
South: Forest Land, Compt. No.313, Bhanumukkala village.
East: Forest Land, Compt. No.313, Bhanumukkala village.
West: QL applied area of Sri.G.Maddilety Reddy & 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 568.7 mm and 613.3 mm 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 & 1524 (Source: Census of India – 2011).

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

First Mining Plan was submitted and approved by the DDM&G, Kurnool Vide Letter No. 2128/MP-BPL/2021, Date: 14-12-2021. **Annexure- IV.**

1. General details of the area:**Physiography / Topography:**

Topographically the QL applied area is a Hillock gently slopes towards South directions. Generally it is low lying plain land with an average altitude of 289m to 339m 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 soil cover (or) 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 rocky terrain 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 613.3 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. Major 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, hetroolithic shale-sand stone
-x-x-x-x-x-x- Tectonic contact -x-x-x-x-x-x-		
NALAMALAI GROUP 1200M	Cumbam Formations (Pullampet Shale)	Shale, dolomite, Limestone, quartzite
	Bairankonda Quartzites (Nagari Quartzite)	Pebbly grit, quartzite, hetroolithic shale-sand

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		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 gykes
	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 Srisailam 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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It 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 above sequence has not been revised; expect that the Pinnacled and Panyam Quartzites are clubbed together as Panyam Quartzite.

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 Panyam Quartzites and Koilkuntla Lime Stone are siliceous and flaggy with intercalated good quality of Quartzites & weathered Nandyal clay. In this Thammaraupalli area Dolorite sills are intruded between Quartzites and Limestone beds. This Dolorite Sills which are highly fractured also used for Road Metal in Panyam area.

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

Geologically the applied area occupied by Sedimentary rocks of Koilkuntla Limestone (Flaggy) of Panyam Series of Kurnool group of Kadapa Basin. Major litho unit exposed in the QL area is Limestone (Flaggy) with track follows beds of Dolorite sills. At the time of inspection lithological sequence observed in the nearby existing quarry leased areas on quarry face are 0-2.00 Mts Soil Cover, 2.0 - 9.0 Mts Weathered Flaggy Limestone and 10.0-40.0 Mts., Dolorite Sills which are useful for Road Metal. These Siliceous Limestone beds are black in

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are jointed with irregular intervals. These beds are gently dipping towards NE direction. Because of this phenomenon it is easy to extract them into Road Metal of different sizes. These Road Metal can be used in buildings as Roof flooring and Road laying purpose. Some of the entrepreneurs in Panyam are also using this material to the various constructions and NH-18 Road.

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

b) i) Geological Plan: Quarry Proposed lease 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.

c) Details of the Applicant:

M/s. Sainath Stone Crushers

Sri.Y. Balathimma Reddy,

H.No: 2-23-4-18, Kareembag Colony,

Banaganapalle -518124,

Kurnool District.Andhra Pradesh State.

Pin Code of Lease applied Area: 518124.

E-mail:ybtr123@gmail.com

Contact No.9440821279.

d) Details of the Prospecting carried out:

Not applicable to Road Metal Quarries.

e) Surface Plan area on scales: The surface cum Geological Plan and Cross Sections of the Q.L. Applied Area is prepared on 1:1500 & 1:1500 scale and is enclosed as **Plates-3 & 4.**

f) Geological plan is enclosed as Plate-3.

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

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

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

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 Broadly indicate the future program 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 :

(i) Type of Deposit as per UNFC Guidelines

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

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

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

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

ii) 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 5.0 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**).

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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 quarries so that we have not conduct geophysical survey.

4. Technological survey: Not applicable.

- Detailed topographical and geological survey was carried out on 1:1500 scale showing all the surface features, contours at 5.0 m interval, the lease boundary, surface Geology & Structural features.
- The entire thickness of Road Metal found to be more than 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 Modified 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.

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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 Modified 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 Starting 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.

This is the first Modified 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 339m at the North and 289m in South portion of the Q.L. Applied Area during the First to fifth year of this Modified 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 sectional influence were taken at 101m to 108 m on an average i.e. 104.5 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.

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Table 2

Category	Sections	Sectional Area	sectional influence	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	Over Burden
Proved	A-A'	1972	101	199172				199172
		5497	101	551197	527437	1503196	27760	
				555197	527437	1503196	27760	199172
Proved	B-B'	717	108	77436				77436
		1989	108	214812	204071	581603	10741	
				214812	204071	581603	10741	77436
Total		2689		770009	731509	2084799	38500	276608
AFTER BUFFER ZONE				617509	586634	1671906	30875	235433
AFTER SLOPE DEDUCTION				277257	263394	750673	13863	233886

ROAD METALReserves Blocked Under 7.5 M Buffer Zone=144875m³Reserves Blocked Under Safety Slopes=323239 m³**MINEABLE RESERVES**

S. No.	Category of Reserves	Reserves in Cu.mts.	Reserves in tons.
1	Proved	263394	750673
TOTAL		263394	750673

Reserves of the buffer zone:

Area of buffer zone x average depth x recovery factor

$$= 6100(814 \times 7.5) \times 25 = 152500 \times 0.95 = 144875 m^3$$

Total Mine able Reserves=Total Geological Reserves - Reserves

Blocked under buffer zone i.e. = 731509-144875= 586634 m³Reserves Blocked under Bench Slope = 814 X 418 = 340252x0.95 = 323239 m³Total Mineable Reserves = 586634- 323239 = 263394 m³Net Mineable Reserves of Road Metal in Q L. applied area = 263394 m³Total Mineral waste available in Q L. applied area = 13863 m³Total Mineral Over Burden available in Q L. applied area = 233886 m³**(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 263394 m³ or 750673 tons of Road Metal is available in this Q.L. applied area. The production is proposed to obtain 14334 m³ 40853 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 for Road Metal:Mineable Reserves of RM / Average Annual production in **cbm**

$$= 268394 / 14334 = \mathbf{18.37 (or) 18.00 Years.}$$

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

$$= 750673 / 40853 = \mathbf{18.37 (or) 19.00 Years.}$$

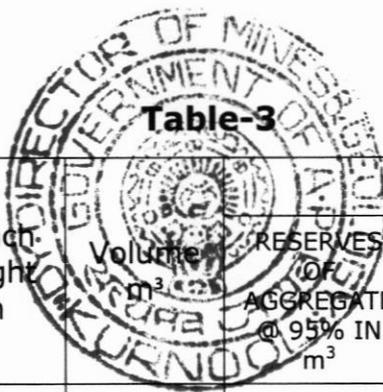
3.0 MINING**(i) OPEN CAST MINING METHOD (Mining Carried out)**

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

(ii) **Year wise tentative excavation in Cubic Meters indicating development, ROM, Pit wise:** About 15967m² of excavation out of which intended ROM 75444m³ of Road Metal will be mined by forming one bench of 6.0 m two benches of 4.5m each for Gravel/OB. The year wise details are tabulated below:

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

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	--	15084	Nil	24507	14330	Nil	754	9.5: 0.5
2 nd Year	--	15090	Nil	26366	14336	Nil	755	9.5: 0.5
3rd Year	--	15090	Nil	28094	14336	Nil	755	9.5: 0.5
4th Year	--	15090	Nil	29250	14336	Nil	755	9.5: 0.5
5th Year	--	15090	Nil	30083	14336	Nil	755	9.5: 0.5
		75444	Nil	138299	71672	Nil	3772	

**Table-3**

Year	Working areas m ²	Bench- 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
1 st year	2844	4.5	12798				12798
	2602	4.5	11709				11709
	2514	6	15084	14330	40840	754	
			15084	14330	40840	754	24507
2 nd year	3052	4.5	13734				13734
	2807	4.5	12632				12632
	2515	6	15090	14336	40856	755	
			15090	14336	40856	755	26366
3 rd year	3238	4.5	14571				14571
	3005	4.5	13523				13523
	2515	6	15090	14336	40856	755	
			15090	14336	40856	755	28094
4 th year	3372	4.5	15174				15174
	3128	4.5	14076				14076
	2515	6	15090	14336	40856	755	
			15090	14336	40856	755	29250
5 th year	3461	4.5	15574.5				15575
	3224	4.5	14508				14508
	2515	6	15090	14336	40856	755	
			15967	15090	14336	40856	755
GRAND TOTAL			75444	71672	204265	3772	138299
AVERAGE TOTAL			15089	14334	40853	754	27660

(iii) Quantum of Excavation: A total of 204265 tones/71672 cbm of road metal is being excavated @95% recovery. 5% waste is generated @3772m³ & OB@138299 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 14334m³/40853 tones per year (250 days @57.336cbm/163.412 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 one bench of 6m height each for Road metal and two benches of 4.5m for Gravel/OB. The workings will be carried out over an area of 2844m² for Gravel/OB & 2514m² for Road metal RL 301m to 275m. The benches will be oriented in EW direction and obtained about 14330m³ or 40840 tones of **Road metal**, 754m³ of mineral waste and 24507m³ **OB** in this year.

2nd year : During second year operations it is proposed to develop the North side by covering the face into one bench of 6.0 m height each for Road metal and two benches of 4.5m for Gravel/OB. The workings will be carried out over an area of 3052m² & 2515 m² RL 311m to 285m. The benches will be oriented in EW direction and obtained about 14336m³ or 40856 tones of **Road metal**, 755m³ of mineral waste and 26366m³ **OB** in this year.

3rd year : During third year operations it is proposed to develop the North side by covering the face into one bench of 6m height each for Road metal and two benches of 4.5m for Gravel/OB. The workings will be carried out over an area of 3238m² & 2515m² RL 322m to 295m. The benches will be oriented in EW direction and obtained about 14336m³ or 40856 tones of **Road metal**, 755m³ of mineral waste and 28094m³ **OB** in this year.

4th year : During fourth year operations it is proposed to develop the North side by covering the face into one bench of 6m height each for Road metal and two benches of 4.5m for Gravel/OB. The workings will be carried out over an area of 3372m² & 2515m² RL 333m to 305m. The benches will be oriented in EW direction and obtained about 14336m³ or 40856 tones of **Road metal**, 755m³ of mineral waste and 29250m³ **OB** in this year.

5th year : During fifth year operations it is proposed to develop the North side by covering the face into one bench of 6m height each for Road metal and two benches of 4.5m for Gravel/OB. The workings will be carried out over an area of 3461m² & 2515m² RL 340m to 317m. The benches will be oriented in EW direction and obtained about 14336m³ or 40856 tones of **Road metal**, 755m³ of mineral waste and 30083m³ **OB** in this year.

7378754/2023/FCB/PCCM Management: There is proposal for Dump Yard in North West side of QL applied area with size of 3399 sq.mts in step dumping method is adopted up to 25m height. Intercalated Waste@5% and OB can be dumped in this area. This can be used for constructions of internal roads and barriers.

YEAR WISE DUMP AREA

Year	Waste Generation 5%(m ³)	Height of dump	Area (m ²)	Area (Ha)	OB m ³
1st Year	754	1.10	680	0.0680	24507
2nd Year	755	1.10	680	0.0680	26366
3rd Year	755	1.10	680	0.0680	28094
4th Year	755	1.10	680	0.0680	29250
5th Year	755	1.10	679	0.0679	30083
Total	3772	5.5	3399	0.3399	138299
Yearly Average	754	1.10	679.8	0.0679	27660

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

The Lessee intends to extract Road Metal production to the tune of ROM 75444 m³ of Road Metal during the Modified Mining Plan period on Plate No.V. During this period, it is proposed to exploit the Road Metal from the total area of 15967m² to an average depth up to 21 m over the lease Proposed area from South to North Contour RL 339 to RL 289 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 : 29000m²**
- 2) **Area for 7.5 B.Z Safety zone:6100m²**
- 3) **Remaining area : 22900m²**
- 4) **Planned area of excavation duly this plan period : 15967m²**
- 5) **Area allotted for dump yard : 3399m²**
- 6) **Area of roads : 200m²**
- 7) **Area of site Services:150m²**
- 8) **Area of afforestation (within 7.5 B.Z) : 6100m²**
- 9) **Remaining area/untouch area : 3184m²**

7378754/2023/FGA-PCSF
 1.2 Drilling and Blasting:

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

Broad parameters of blasting:

H = Height of bench = 10 m L = Length of drill hole = 11 m B = Burden = 3.0 m S = Spacing = 3.5 m D = Diameter of the blast hole = 100 mm $V_R = \text{Vol., of broken Rock} = B * S * L = 3.5 * 3 * 10 = 105 \text{ m}^3$ 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 15967 m² or 1.5967 Hectares to a depth of 21 m reaching 289 m (FRL) at the South portion of the quarry applied lease area. The area occupied by roads would be 0.0200 Hectares; while plantation will be occupying an area of 0.6100 Hectares on the entire 7.5 B.Z 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 50.0 m above ground level. Rain water constitutes the drainage System 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 339 m while the minimum level of working would be 289 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.

73787545/2023/STAGING OF MINERAL REJECTS, SUB-GRADE & DISPOSAL OF WASTE

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

6.0 USE OF MINERAL & MINERAL REJECTS

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

7.0 PROCESSING OF ROM & MINERAL REJECTS

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

8.0 OTHERS

It is proposed to provide the site services like Mines office and other statutory constructions like rest shelter, first aid, work shed and drinking water as required in the lease area. Separate Shelter and 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. All activities are temporary in nature and within mining area

Infrastructure facility	Location	Remarks
1. Roads	Outside the lease area.	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

7378754/2023/FGA-PCCF

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..



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 barren land. An area of about 15967 m² will be broken to win the mineral. An area of 6100m² 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	2.2900
	Road	NIL
	Forest Safety Zone	0.6100
	Total Area	2.9000
End of the plan period	Mined out area	1.5967
	Dumping Area	0.3399
	Road	0.0200
	Un mined area	0.3334
	Forest Safety Zone	0.6100
	Total Area	2.9000
End of the Conceptual Plan period	Mined out area	1.9301
	Dumping Area	0.3399
	Road	0.0200
	Un mined area	0.0000
	Forest Safety Zone	0.6100
	Total Area	2.9000

7378754/2023/FGA/PCG
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: (Source: www.apsdps.ap.gov.in).

S.No.	Name of the village	Population	Distance in km	Directions
1	Yagantipalle	2052	1.9	North
2	Bhanumukkala	20479	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 15967 m² will be degraded for the working pit; and Roads 200 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.

7378754/2020/WCA-PGGT: 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.

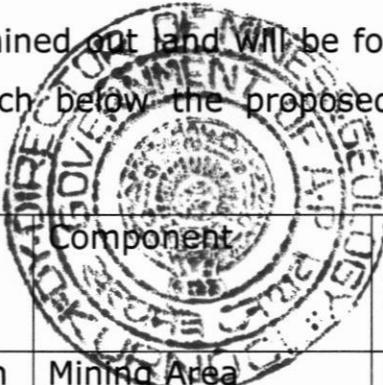
(j) Historical Monuments: No Historical monuments are located near and around the Q.L. Applied Area .

(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.

7378754/2018/FGA/ROCE

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	2.2900
	Road	NIL
	Forest Safety Zone	0.6100
	Total Area	2.9000
End of the plan period	Mined out area	1.5967
	Dumping Area	0.3399
	Road	0.0200
	Un mined area	0.3334
	Forest Safety Zone	0.6100
	Total Area	2.9000
End of the Conceptual Plan period	Mined out area	1.9301
	Dumping Area	0.3399
	Road	0.0200
	Un mined area	0.0000
	Forest Safety Zone	0.6100
	Total Area	2.9000

The land that will be broken in the successive conceptual periods (the Life of the quarry is anticipated to be 18.37 years as of present).

7378754/2023/E&M/PCSE

The on-going mining and the downstream activities have covered the lease hold for about 2.9000 Hectares as detailed below:

S.No	Item	In M ²	In Hects.
1	Working Pit area	15967	1.5967
2	Un mined area	3184	0.3184
3	Dump Yard	3399	0.3399
4	Site Services	150	0.0150
5	road ways	200	0.0200
6	Plantation	6100	0.6100
7	Others if any	NIL	NIL
8	Total	29000	2.9000

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 program me is proposed in entire safety zone of 0.6100 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	6100	680
2nd Year	NIL	NIL
3rd Year	NIL	NIL
4th Year	NIL	NIL
5th Year	NIL	NIL
Total	6100	680

73787545/2023/FC/PCME
5. Top Soil Management: Black cotton soils (loose material) are covering the Road Metal on Top of the QL applied area with thickness of about 1.5.m and OB up to 9.0 mts which can be used as Gravel.

6. Tailing Dam Management: No tailing dam is required.

7. Disaster Management and Risk Assessment: In this area mining does not involve disaster of land etc., except degradation of land. No flooding, subsidence, land slide occur in the region. The Mines Manager will take the responsibility in the event of any unto ward incident.

In event of any emergency the Contact person is:

M/s. Sainath Stone Crushers

Mg.Part:Sri.Y. Balathimma Reddy

H.No: 2-23-4-18, Kareembag Colony,
 Banaganapalle -518124,Kurnool District.
 Andhra Pradesh State.

Pin Code of Lease applied Area: 518124.

E-mail:ybtr123@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.

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.

Item	Details	Proposed	Actual	Remarks
Dump Management	----	----	----	----
Management Worked out benches	----	----	----	----
Reclamation and Rehabilitation by back filling	----	----	----	----
Rehabilitation of waste land, within lease	----	----	----	----

7378754/2023/FCA -PCCF

9.1 ABANDONMENT COSTS FOR THE FIRST FIVE YEARS

Items	Details	Area (Ha)		Quantity		Expenditure (Rs)	Remarks
		Proposed	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		0.6100	680		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			0.6100			Rs 5,37,300	----

10. Financial Assurance:

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

The proposed mining operations are by manual method 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 hecets. 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 SCHEME	Additional requirement during the SCHEME 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	1.5967	1.5967	Nil	1.5967
2	Storage for top soil	--	--	--	--	--
3	Overburden dump	0.0000	0.3399	0.3399	Nil	0.3399
4	Roads	0.0000	0.0200	0.0200	Nil	0.0200
5	Site Services	--	0.0150	0.0150	--	0.0150
6	Tailing pond		--			
7	Others	--	--	--	--	--
	SUB- TOTAL	0.0000	1.9716	1.9716	--	1.9716
	Green Belt	--	0.6100	0.6100	--	0.6100
	Virgin area	2.9000	0.3184	0.3184	Nil	0.3184
	TOTAL	2.9000	2.9000	2.9000		2.9000

11. Certificate:

Certified that the above mentioned points will be taken care in the Modified Mining Plan for Road Metal over an extent of 2.900hectares (7.1659 Acres) in Compartment. No.313 of Bhanumukkala Village, Banaganapalle Mandal, Kurnool District, Andhra Pradesh State.

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

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

11.1 Plan, Section etc,

Plans and Sections are submitted along with Modified Mining Plan.

Place: Kurnool.

Applicant Company

G. Eswar Reddy
(M/s. Sainath Stone Crushers)

RQP

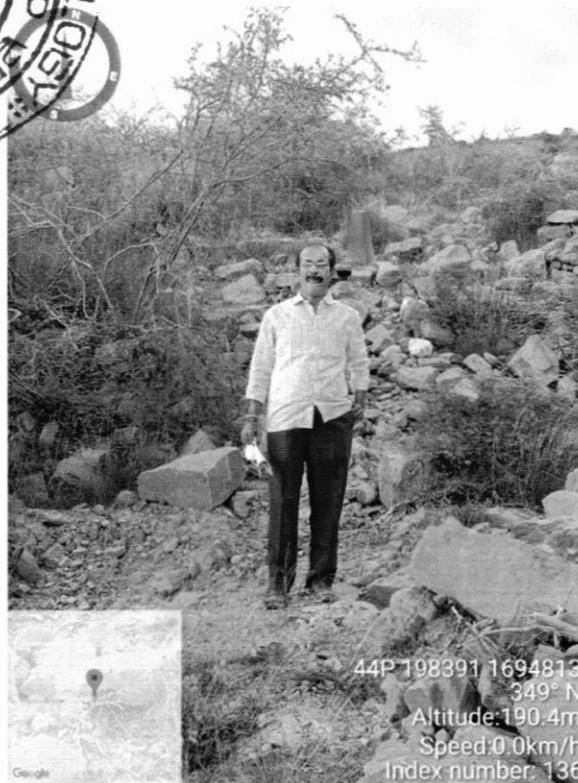
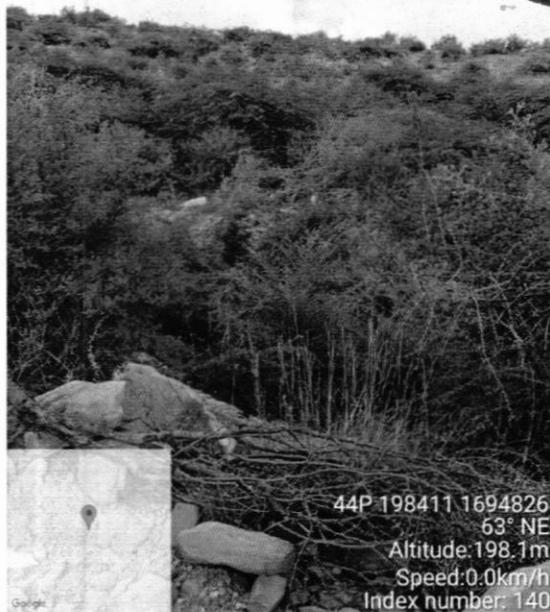
G. Eswar Reddy
G. ESWAR REDDY, M.Sc., B.L., Ph.D.,
Recognised Geologist
IBM/RQ/HYD/302/2013/A
RQP/DMG/AP/197/2014

This Mining Plan is approved subject to the
Conditions/Stipulations indicated in the Mining
Plan Approval Letter No. 594/MMP-Kurn/2023
Dated... 16.05.2023

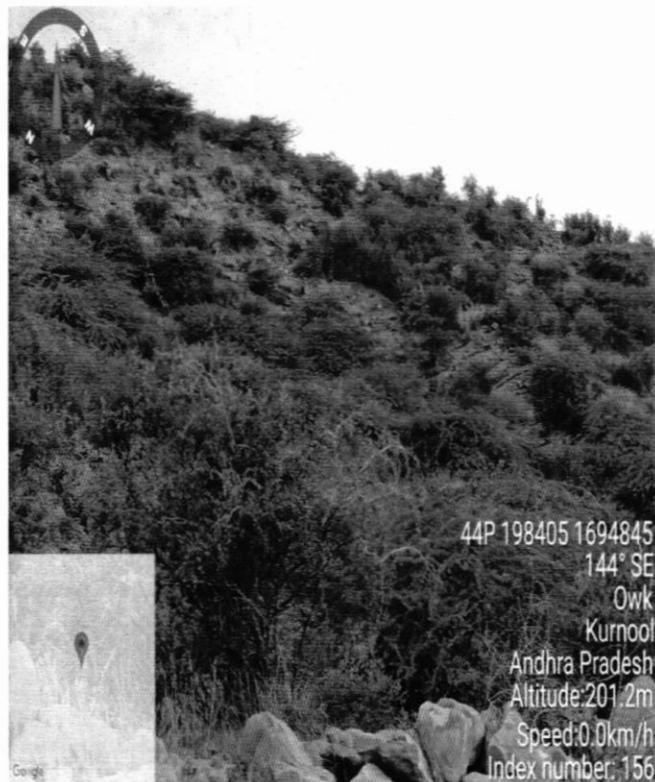
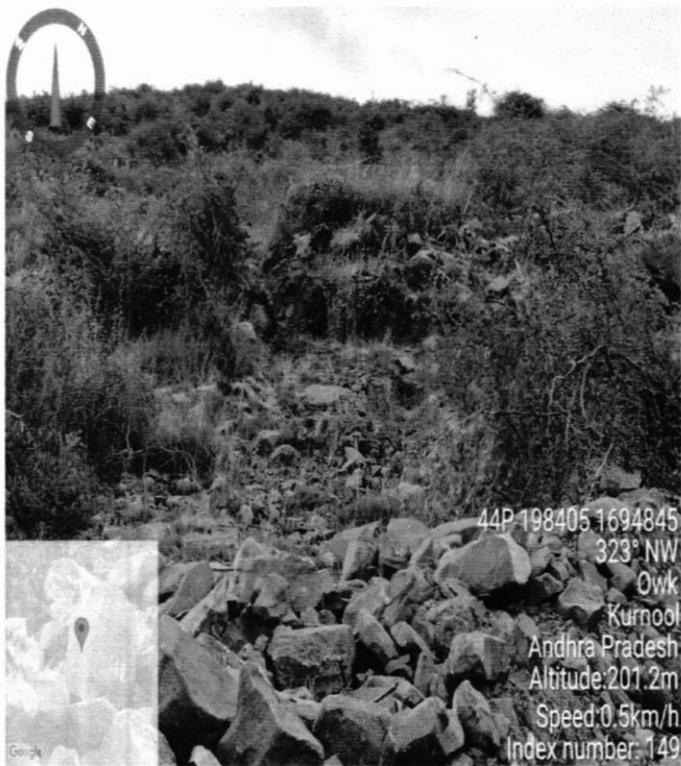
[Signature]
Deputy Director of
Mines & Geology,
KURNOOL

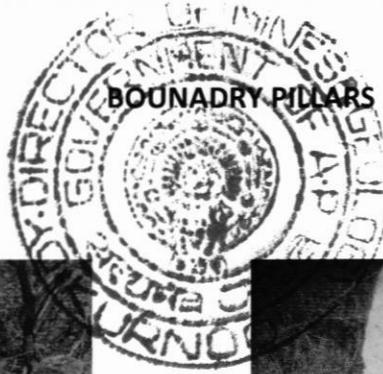


PHOTOGRAPH SHOWING THE QUARRY LEASE AREA & SHEET ROCK FORMATION



PROPOSED WORKING AREA





ANEX





To,
The Deputy Director of Mines & Geology,
KURNOOL.

Through,
The Assistant Director of Mines & Geology,
Banaganapalle.

Dear Sir,

I/We hereby beg to apply for Fresh Quarry lease for Road Metal for a period of 15 (Years) years and given below the necessary particulars as required under the A.P. Minor Mineral Concession Rule 1966.

1. Name of the applicant : M/s Sainath Stone Crushers,
Mg. Partner: Sri Y. Bala Thimma Reddy
S/o Y. Konda Reddy
 - a) Profession : Business
 - b) Residence : H.No.2/23-4-18, Near G.M Takis,
Karim bag Colony, Banaganapalle (V) & (M)
Kurnool District
 - c) Permanent Address : H.No.2/23-4-18, Near G.M Takis,
Karim bag Colony, Banaganapalle (V) & (M)
Kurnool District
2. Description of the area applied for
 - a) Situation and boundaries : Sketch enclosed
 - b) Revenue survey Nos or Block No (In case Reserve Forest) : Comp.No.313 of Gulam Aliabad South Block
R.F, Bhanumukkala (V) Banaganapalle (M),
Kurnool (Dt)
 - c) Area : 3.000 Hectares
3. Name of Mineral to be quarried : Road Metal
4. Purpose for which is it to be used :
5. Enclosures
 1. Challan No. 1023 Date: 11-05-2017
for Rs. 1500/- Paid at B.P.L.
 2. Affidavit Enclosed.
 3. Sketch 4 copies Enclosed.

A copy of the village map which is not less sole than village map showing the area applied for.

I/We declare that the above particulars are correct and request the quarry lease may be granted.

PLACE: Banaganapalle

DATE: 13.05.2017

Y. Bala Thimma Reddy
For: M/s. Sainath Stone Crusher
Yours faithfully,
Mg. Partner



Date :13/05/2017
Time :11:58 AM

MINERAL CONCESSION APPLICATION		Date of Payment : 13/05/2017
Center Name :	ESEVA-FKL090	Transaction Id : TAMIN011700056142
Applicant Name :	MS SAINATH STONE CRUSHERS	Application No : MIN011700056142
Type of Applications :	Other Quarry Lease	Category Of Applications : Fresh Application
Charitan No :	1023	Extent Applied : 3 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.mceeva.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.

Handwritten signature
15/05/17

Handwritten signature
FKL 090
V. Manikhar
Mee Seva Centre
40/837-2, Bus Stop, ...
Branch, ...

ANNEXURE III

GOVERNMENT OF ANDHRA PRADESH
FOREST DEPARTMENT

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

To The Director of Mines & Geology,
 5th & 6th Floors,
 Anjaneya Towers,
 Ibrahimpatnam, Krishna District.

** * * *

Ref. no. EFS02-15029/59/2018-FCA SEC-PCCF/FCA-1,

Dated:01.08.2021.

Sir,

Sub: APFD – F (C) Act, 1980 – Diversion of forest land over an extent of 2.90 ha. in Compartment no.313, Gulamaliabad South Reserve Forest, Dhone Range, Kurnool Division & District in favour of M/s. Sainath Stone Crushers (Mg. Partner- Sri Y. BalaThimma Reddy) for grant of quarry lease for road metal – Additional information requested – Reg.

Ref: Director of Mines and Geology, Vijayawada Lr.no.21990/R4-2/2017, Dt.24.10.2017.

••<3>••

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 furnished by the Director of Mines & Geology, A.P., Ibrahimpatnam as per the above instructions.

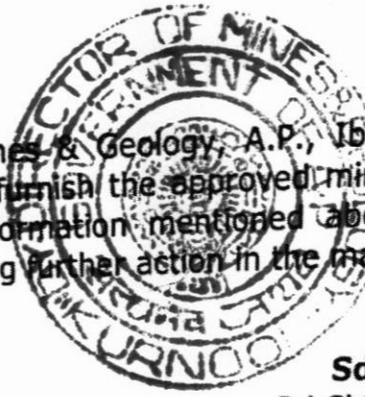
1. *Details of other mining leases for particular mineral (Road metal) with their capacity, average annual production and projected future requirements.*

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

7378754/2023/FCA -PCCF

The Director of Mines & Geology, A.P., Ibrahimpatnam is requested to take necessary action to furnish the approved mining plan by getting from the user agency and the information mentioned above in respect of the above subject proposal, for taking further action in the matter.



Encl:- As above.

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

Copy to the Proprietor, Sri. Y.BalaThimma Reddy, M/s. Sainath Stone Crushers, Banaganapalli (V) & (M), Kurnool District. It 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 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.

//t.c.b.o//

[Handwritten Signature]
 21/8/2024
 Superintendent

[Handwritten Signature]
 3/8/2024

GOVERNMENT OF ANDHRA PRADESH
FOREST DEPARTMENT

RC.no.4424/2018/H5,
Dated:10-08-2021

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

Sub: APFD - F(C) Act, 1980 - Diversion of forest land over an extent of 2.90 ha. in Compartment no.313, Gulamalaiabad South Reserve Forests, Dhone Range, Kurnool Division & District in favour of M/s Sainath Stone Crushers (mg. Partner-Sri Y.Balathimma Reddy) for grant of quarry lease for road metal - Additional information requested - Reg.

Ref: PCCF & HoFF, AP, Guntur Ref.no.EFS02-15029/59/2018-FCA SEC-PCCF /FCA-1, dt.01.08.2021.

A copy of the above reference is sent herewith.

It is informed that in the reference cited, the Principal Conservator of Forests & HoFF, A.P., Guntur has issued instructions that, during the video conference on 08.07.2021 with GoI, MoEF&CC, New Delhi on the issue of approved mining plan. The GoI, MoEFF&CC, New Delhi issued instructions to furnish the approved mining plan at the initial stage itself i.e., at the time of processing the proposal for 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.

End: As above

Sd/- Ms.Suman Beniwal
District Forest Officer
Kurnool

To
The Forest Range Officer, Dhone Range

Copy to Sri Proprieter Sri Y.Bala Thimma Reddy, M/s Sainath Stone Crushers, Banaganapalli (V) & (M), Kurnool District.

//t.c.b.o//

Technical Assistant

ANNEXURE IV

GOVERNMENT OF ANDHRA PRADESH
DEPARTMENT OF MINES AND GEOLOGY

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

Sainath Stone Crushers,
Sri Y. Bala Thimma Reddy
Y. Konda Reddy,
No. 2-23-4-18, Kareembag Colony,
Banaganapalle Town
Kurnool District-518124.

Letter No. 2128/MP/2021, Dated: 14.12.2021

Sir,

Sub:- Mines and Quarries - Approval of Mining Plan (including Progressive Mine Closure Plan) for Road Metal over an extent of 2,900 Hectares in Compartment No.313 of Gulamaliabad South R.F., Kurnool Division, Bhanumukkala Village, Banaganapalle Mandal, Kurnool District in favour of M/s Sainath Stone Crushers, Prop: Sri Y. Bala Thimma Reddy, prepared by Sri G. Eswar Reddy, R.Q.P. - Mining Plan - Approved - Regarding

- Ref:-**
- 1) G.O.Ms.No: 56, Ind. & Comm. (M.H) 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 NoMIN01I700056142 filed by M/s Sainath Stone Crushers, Mg.Ptr: Sri Y. Bala Thimma Reddy on Dt.13-05-2021.
 - 5) Circular Memo No.3861432/P/2020, dt: 16.07.2021 of the Director of Mines and Geology, Ibrahimpatnam.
 - 6) Letter No.Ref.no.EFS02-15029/11/2020-FCA SEC-PCCF/FCA-1, dt.01.08.2021 of the Prl. Chief Conservator of Forests & Head of Forest Force, Andhra Pradesh, Guntur.
 - 7) Letter dated: 31.08.2021, along with draft Mining Plan from the applicant received in this office on 23.09.2021.
 - 8) This office Letter No.2128/MP/2021, dt: 29.10.2021 addressed to the applicant / RQP.
 - 9) Letter dated: 10.12.2021, along with five sets of fair copies of mining plan from the applicant received in this office on 10.12.2021.

* * * * *

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.H) 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 2,900 Hectares in Compartment No.313 of Gulamaliabad South R.F., Kurnool Division, Bhanumukkala Village, Banaganapalle Mandal, Kurnool District in favour of M/s Sainath Stone Crushers, Prop: Sri Y. Balathimma Reddy. This approval is subject to the following conditions.

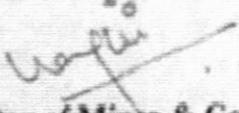
1. This Mining Plan (including Progressive Mine Closure Plan) is approved without prejudice to any other laws applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority.
2. It is clarified that this approval of the Mining Plan (including 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 and APMMC Rules, 1966.
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

- 
4. The Mining Plan (including Progressive Mine Closure Plan) is approved subject to strictly adhering to the provisions of the Mines Act, 1952 and MMR, 1961 and obtaining prior permission from the Director of Mines & Geology, Kurnool whenever and wherever it is required.
 5. The applicant/ lessee shall ensure that no structures, public buildings, roads, railway line, electric line and water bodies are affected by the mining operations as per regulations 109 & 127 of MMR, 1961.
 6. 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.
 7. 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.
 8. 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.
 9. The approval authority does not owe responsibility with regard to erroneous certification made by the R.Q.P if any and approval is tentative subject to modification of new findings at a later date as per the provisions of Rules in force, since the evaluation is done on random basis.

Yours faithfully,

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


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

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

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

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

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

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.



सत्यमेव जयते

ANNEXURE V
भारत सरकार
GOVERNMENT OF INDIA
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-APB203/2023-VIJ/807

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 2.90 ha. in Compartment No.313, Gulamaliabad South Reserve Forest, Dhone Range, Kurnool Division & District in favour of M/s. Sainath Stone Crushers (Mg. Partner - Sri Y. Balathimma Reddy) 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.

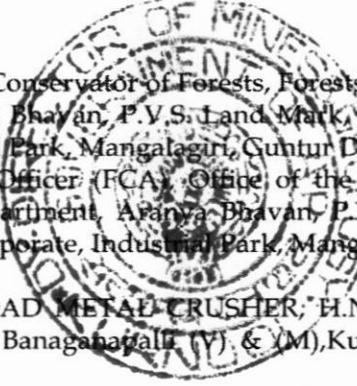
Yours faithfully,

(N.S.Murali)

Inspector General of Forests (Central)

7378754/2023/FCA -PCCF

Copy to:

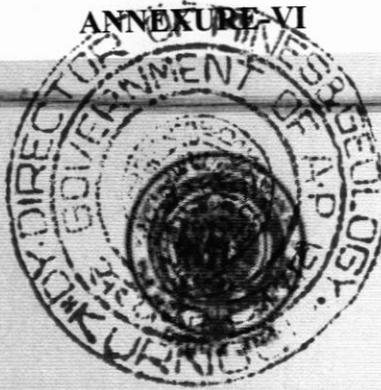
- 
- (i) The Principal Chief Conservator of Forests, Forests Department & HoFF, AP Forest Department, Aranya Bhavan, P.V.S. Land Mark, Ground Floor, Opposite to IHC Corporate, Industrial Park, Mangalagiri, Guntur District, Andhra Pradesh-522503
 - (ii) The PCCF/ Nodal Officer (FCA), Office of the Principal 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) M/s. SAINATH ROAD METAL CRUSHER, H.No.2/23-4-18, Near G.M.Talkies, Karim Bag Colony, Banaganapalle (Y) & (M), Kurnool, Andhra Pradesh 518124. ybtr789@gmail.com



(N.S.Murali)

Inspector General of Forests (Central)

ANNEXURE-VI



ఆంధ్రప్రదేశ్ ప్రభుత్వము
GOVERNMENT OF ANDHRA PRADESH

ఫర్మ్ లెజిస్లేషన్ సర్టిఫికేట్
ACKNOWLEDGEMENT OF REGISTRATION OF FIRM

1932 భారత భాగస్వామ్య చట్టపు 58(1) వ విభాగము ద్వారా నిర్ణయించబడిన వివరణ అందినట్లు ఆంధ్రప్రదేశ్ ఫర్మ్ల రిజిస్ట్రారు ఇందు మూలముగా తెలుపుచున్నారు.

The Registrar of Firms, Andhra Pradesh hereby acknowledges the receipts of the statement prescribed by section 58 (1) of the Indian Partnership Act, 1932.

ఆ వివరణ దాఖలు చేయబడినది ఫర్మ్ యొక్క పేరు M/s. Sainath Stone Crushers
Plot No. 315, S.R.B.C. Road, Banaganapalli-m
ఆంధ్రప్రదేశ్ లోని నంద్యాల జిల్లా 201-3 వ సంవత్సరపు 42 సంఖ్య గల ఫర్మ్ గల రిజిస్టరులో నమోదు చేయబడినది.

The Statement has been filed and the name of the firm M/s. Sainath Stone Crushers, Plot No. 315, S.R.B.C. Road, Banaganapalli-m has been entered in the register of Firms as No. 42 of 201 3 at Nandyal (A.P.)

నంద్యాల ఆంధ్ర
Nandyal A.P.

ఫర్మ్ల రిజిస్ట్రారు
Registrar of Firms

03-4-2013

Dated the 03rd day of April 2013





ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

No. 1062 812003
 Date 4. 2013
 For Whom ప్రాచీనం

AR 732719
 K. VELLAPPA
 Licenced Stamp Vender
 L.No.13-13-027 of 2011
 R.No: 13-13-027 of 2012-4
 H.No:29-142, Turk...
 Kurnool, D.T.

PARTNERSHIP DEED

THIS DEED OF PARTNERSHIP is made on the 18th day of February 2013 by and between :-

	<u>Age, Father's Name & Address</u>
1. YADAMAKANTI BALA THIMMA REDDY	42 years, S/o.Y.Konda Reddy Banaganapalli.
2. YADAMAKANTI MADDIILETY REDDY	49 years, S/o.Y.Chinna Thimma Reddy Banaganapalli.
3. YADAMAKANTI LAKSHMI DEVI	37years, W/o.Y.Bala Thimma Reddy Banaganapalli.
4. YADAMAKANTI LAKSHMI DEVI	43years, W/o.Y.Maddi Reddy Banaganapalli.

1. Y. Bala Thimma Reddy
 3. Y. Lakshmi Devi

2. Y. Maddi Reddy
 4. Y. Lakshmi Devi

Contd..2..



ఆంధ్రప్రదేశ్ రాష్ట్రం ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

1063 Date 18/2/2013
 To Y. Bala Krishna Babu
 or Whome గ్రామం

AR 732720
 K. YELLAPPA
 Licenced Stamp Vendor
 L.No.13-13-027 of 2011
 R.No: 13-13-027 of 2012
 H.No:29-142, T. Sankarapuram,
 Kurnool(Dist. Prakasam)

..2..

Witnessst that the parties here to agree to become patners up on their terms and conditions as below:-

1. That the name of firm shall be M/S. SAINATH STONE CRUSHERS , at BANAGANAPALLI,Kurnool(dt)
2. That the main business of firm shall be Purchase and sale of road metal and any other business that may be mutually decided from time to time
3. That the partnership business shall be carried on at BANAGANAPALLI, Kurnool Dist andsuch other place or places as may be mutually decided from time to time .

- | | | |
|-------------------------|--------------------|------------|
| 1. Y. Bala Krishna Babu | 2. Y. Venkatesh | Contd..3.. |
| 3. Y. Lakshmi devi | 4. Y. Lakshmi devi | |



ఆంధ్రప్రదేశ్ ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

732721
H. YENARRA

No. 1066 Date 18/4/2013 Rs. 100
 Sold To Y. బాల తిమ్మారెడ్డి & Co కాండాంరెడ్డి బస్ నెట్ వర్క్
 For Whome ప్రైవేట్ ..3..

Licensed Stamp Vendor
 L.No.13-13-027 of 2011
 R.No: 13-13-027 of 2011
 H.No:29-142, Takke
 Kumool(Dt) P.

4. That the partnership business shall be commenced from 01.04.15 and shall Be a partnership at will .
5. That the net profits or lossess of firm shall be divided as equal share as 25% each of four partners.
6. That the capital of firm shall be contributed by all the partners and it shall Carry interest @12% per annum and as per the limited prescribed by the Income tax act, 1961.
7. That the partnership books shall be maintained at principal office and each Partner shall have accessed thereto.
8. That the Management of partnership business shall be carried on by Sri.Y.BALA THIMMA REDDY ,and , Sri.Y.MADDILETY REDDY, who shall be called as Managing partners.

(Contd....4)

1. Y. Bala Thimma Reddy

2. Y. Maddilety Reddy

3. Y. Lakshmi Devi

4. Y. Lakshmi Devi



ఆంధ్రప్రదేశ్ రాష్ట్రం ANDHRA PRADESH

No. 1065 Date 18/7/2017

Sold To Y. బాల తిమ్మా రెడ్డి & య. మద్దిలె రెడ్డి బహుముఖ

For Whom గ్రామం

AR 732722

K. YELLAPPA

Licenced Stamp Vendor

L.No.13-13-027 of 2011

R.No: 13-13-027 of 2011

H.No:29-142, Tekhe

Kurnool(50) Pin

--: 4:--

9. That the bank operations shall be operated by the managing Partners Sri.Y.Bala Thimma Reddy, and Y.Maddilety Reddy , Individually.
10. That the partners namely Y.Bala Thimma Reddy, and Y.Maddilety Reddy, will actAs working partners, and they are entiled for Salaries at the rate of Rs. 2,000/-per month each, and as per the limits prscribed by the Income tax Act, 1961,as amended from time to time .
11. That the firm can raise loans from public and private sector banks as well as from outsiders.
12. That the books of firm shall be close on 31st march of every year and accounts Will be prepared. The resultant net profits or lossess of firm shall be divided as pera 5 above .

Cont..5..

1. Y Bala Thimma Reddy

2. Y. Maddilety Reddy

3. Y. Lakshmi Devi

4. Y. Lakshmi Devi



ఆంధ్రప్రదేశ్ రాష్ట్రం ఆంధ్ర ప్రదేశ్ ANDHRA PRADESH

1066 18/2/13
 Sold To Y. బాల కృష్ణారెడ్డి
 or Whom భర్త

కొండారెడ్డి వసూలం

AP 132723
 K. TELAPPA
 Licenced Stamp Vendor
 L.No.13-13-027 of 2011
 R.No: 13-13-027 of 2012-4
 H.No:29-152, Takti Nandy,
 Kurnool (A) Pincode 504

--: 5:--

- 13. That for the terms and conditions not mentioned on this Deed of Partnership, the provisions of the Indian partnership Act, 1932 shall accordingly apply.
- 14. That in case of any change of any partnership clause required to be amended or annued or substituted, the same shall be done on stamp paper of Rs.10/- which shall part and parcel of the Deed of Partnership, from the date mentioned in the alternative agreement.

Witnesseth that the patners have signed in this deed of patnership of on 18th day of Febraury 2013.

Signature of the patners

- 1. Y. Bala Trimmurthy
- 2. Y. Reddy
- 3. Y. Lakshmi Devi
- 4. Y. Lakshmi Devi

- WITNESS:-
- 1.
 - 2.

ANNEXURE VII



G. Eswar Reddy

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

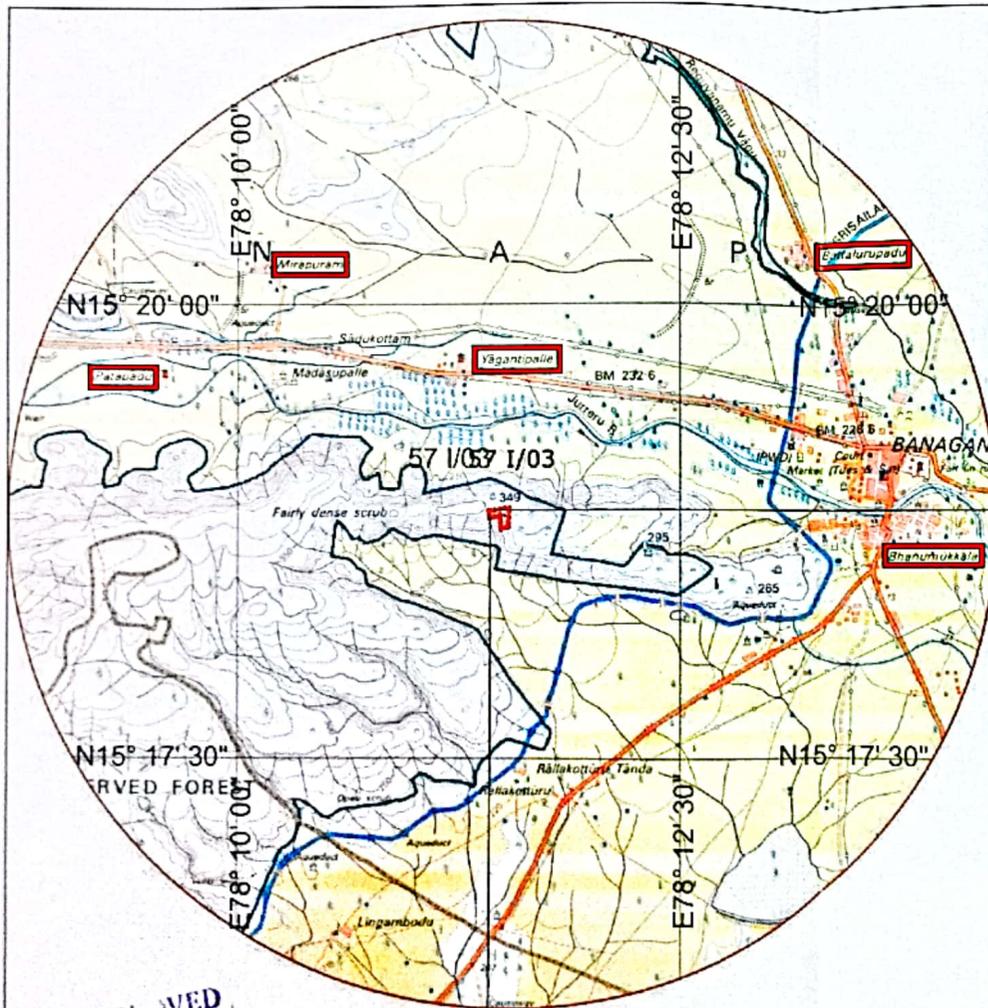
Date: 22.12.2014



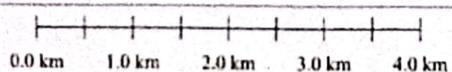
[Signature]
Director of Mines & Geology

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

LOCATION KEY PLAN



APPROVED



E78° 11' 24.65084"

N15° 18' 50.84745"

Geo-Coordinates of lease area (from 1:50,000)

POINTS	BOUNDARY	PILLARS	POINTS	BOUNDARY	PILLARS
LATITUDE	LONGITUDE	POINTS	LATITUDE	LONGITUDE	POINTS
M1	N15° 18' 50.84745"	E78° 11' 24.65084"	M11	N15° 18' 48' 00.000"	E78° 11' 26' 00.000"
M2	N15° 18' 50.84745"	E78° 11' 28.00000"	M12	N15° 18' 48' 00.000"	E78° 11' 28.00000"
M3	N15° 18' 51.00000"	E78° 11' 28.00000"	M13	N15° 18' 48' 00.000"	E78° 11' 28.00000"
M4	N15° 18' 51.00000"	E78° 11' 28.00000"	M14	N15° 18' 48' 00.000"	E78° 11' 28.00000"
M5	N15° 18' 51.00000"	E78° 11' 30.00000"	M15	N15° 18' 48' 00.000"	E78° 11' 30.00000"
M6	N15° 18' 51.00000"	E78° 11' 32.00000"	M16	N15° 18' 48' 00.000"	E78° 11' 32.00000"
M7	N15° 18' 50.00000"	E78° 11' 32.00000"	M17	N15° 18' 48' 00.000"	E78° 11' 32.00000"
M8	N15° 18' 48' 00.000"	E78° 11' 32.00000"	M18	N15° 18' 48' 00.000"	E78° 11' 32.00000"
M9	N15° 18' 48' 00.000"	E78° 11' 34.00000"	M19	N15° 18' 48' 00.000"	E78° 11' 34.00000"
M10	N15° 18' 48' 00.000"	E78° 11' 36.00000"	M20	N15° 18' 48' 00.000"	E78° 11' 36.00000"

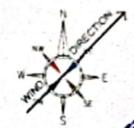


PLATE NO - I



INDEX

M/S. SAINATH STONE CRUSHER

Y. Bela Kumar Reddy

Signature of Applicant

G. Eswar Reddy
 Signature of R.Q.P
G. ESWAR REDDY, M.Sc., B.L., Ph.D.
 Recognised Geologist
 IBM/RQ/HYD/302/2013.A
 RQP/D/M/IA/P/3772014

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	2 900 Hectare.
Village	Banamukkala
Mandal	Banaganapalli
District	Kurmas, New Nandhal District, Andhra Pradesh State
Scale	1:50000
Toposheet No	57 I/03 76°56' 52.02392"E 15°00' 50.127351"N
Applicant	M/S. SAINATH STONE CRUSHER

District Kurnool
Mandal Banaganapalle
Village Bhanumukkala
V.No : 32
Field No Compt.No 313

Quarry lease Applied area (for Road Metal & Gravel) by Sri M/s Sainath Stone Crushers over an extent of 2.900 Hectares in Compt.no.313 of Gulamalabad South RF, Dhone Range Kurnool Division, Bhanumukkala(V), Banaganapalli(M), Kurnool District, AP.

SCALE 1:4000

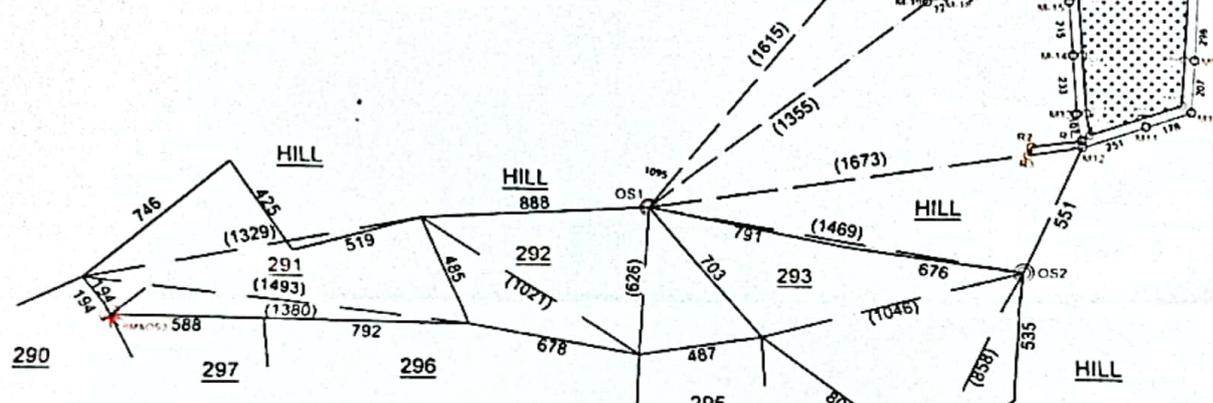
APPROVED



POINT	ZONE & Sub-Zone	EASTING	NORTHING	ELEVATION (m)	LONGITUDE	LATITUDE	REMARKS
M-1	44P	100001 353	1004773 063	376 292	18°10'43.8010E	78°11'27.8400E	OLD STONE
M-2	44P	100360 327	1004773 064	360 748	18°10'43.0693E	78°11'27.8781E	OLD STONE
M-3	44P	107043 001	1004877 308	263 894	18°10'30.7707E	78°11'28.0343E	OLD STONE
M-4	44P	107043 001	1004877 308	263 894	18°10'30.7707E	78°11'28.0343E	BENCH MARK
M-5	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	MINING AREA
M-6	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	MINING AREA
M-7	44P	100423 071	1005076 317	376 138	18°10'51.1158E	78°11'26.3487E	MINING AREA
M-8	44P	100423 071	1005076 317	376 138	18°10'51.1158E	78°11'26.3487E	MINING AREA
M-9	44P	100406 071	1005076 317	376 138	18°10'51.3904E	78°11'26.8489E	MINING AREA
M-10	44P	100406 071	1005076 317	376 138	18°10'51.3904E	78°11'26.8489E	MINING AREA
M-11	44P	100406 071	1005076 317	376 138	18°10'51.3904E	78°11'26.8489E	MINING AREA
M-12	44P	100406 071	1005076 317	376 138	18°10'51.3904E	78°11'26.8489E	MINING AREA
M-13	44P	100406 071	1005076 317	376 138	18°10'51.3904E	78°11'26.8489E	MINING AREA
M-14	44P	100406 071	1005076 317	376 138	18°10'51.3904E	78°11'26.8489E	MINING AREA
M-15	44P	100406 071	1005076 317	376 138	18°10'51.3904E	78°11'26.8489E	MINING AREA
M-16	44P	100406 071	1005076 317	376 138	18°10'51.3904E	78°11'26.8489E	MINING AREA
M-17	44P	100406 071	1005076 317	376 138	18°10'51.3904E	78°11'26.8489E	MINING AREA
M-18	44P	100406 071	1005076 317	376 138	18°10'51.3904E	78°11'26.8489E	MINING AREA
M-19	44P	100406 071	1005076 317	376 138	18°10'51.3904E	78°11'26.8489E	MINING AREA
M-20	44P	100406 071	1005076 317	376 138	18°10'51.3904E	78°11'26.8489E	MINING AREA

POINT	ZONE & Sub-Zone	EASTING	NORTHING	ELEVATION (m)	LONGITUDE	LATITUDE	REMARKS
S-1	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-2	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-3	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-4	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-5	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-6	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-7	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-8	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-9	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-10	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-11	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-12	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-13	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-14	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-15	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-16	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-17	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-18	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-19	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE
S-20	44P	100706 004	1005076 317	376 138	18°10'50.0474E	78°11'24.8064E	SAFETY ZONE

POINT	ZONE & Sub-Zone	EASTING	NORTHING	ELEVATION (m)	LONGITUDE	LATITUDE	REMARKS
R-1	44P	100360 327	1004773 064	360 748	18°10'43.0693E	78°11'27.8781E	ROAD AREA
R-2	44P	100360 327	1004773 064	360 748	18°10'43.0693E	78°11'27.8781E	ROAD AREA
R-3	44P	100360 327	1004773 064	360 748	18°10'43.0693E	78°11'27.8781E	ROAD AREA



POINT AT	BACK AND FORE LINES		ANGLE DMS	REMARKS
			(degrees, minutes, seconds)	
M-1	M-1 M20	M-1 M2	84°38'59"	SURVEY POINT
M2	M2 M-1	M2 M3	185°38'43"	SURVEY POINT
M3	M3 M-2	M3 M4	179°48'03"	SURVEY POINT
M4	M4 M-3	M4 M5	185°00'55"	SURVEY POINT
M-5	M-5 M4	M-5 M6	170°22'31"	SURVEY POINT
M6	M6 M-5	M6 M-7	83°21'55"	SURVEY POINT
M-7	M-7 M6	M-7 M8	179°44'27"	SURVEY POINT
M8	M8 M-7	M8 M9	180°30'10"	SURVEY POINT
M9	M9 M8	M9 M10	179°36'42"	SURVEY POINT
M10	M10 M9	M10 M11	112°44'07"	SURVEY POINT
M11	M11 M10	M11 M-12	179°53'09"	SURVEY POINT
M-12	M-12 M11	M-12 R1	77°40'46"	SURVEY POINT
R1	R1 M-12	R1 M13	184°14'11"	SURVEY POINT
M13	M13 R1	M13 M-13	172°34'04"	SURVEY POINT
M-14	M-14 M13	M-14 M-16	179°57'22"	SURVEY POINT
M-16	M-16 M-14	M-16 M-16	180°08'38"	SURVEY POINT
M-16	M-16 M-16	M-16 M-17	282°03'07"	SURVEY POINT
M-17	M-17 M-16	M-17 M-18	180°08'14"	SURVEY POINT
M-18	M-18 M-17	M-18 M-19	182°40'55"	SURVEY POINT
M-19	M-19 M-18	M-19 M-20	79°05'57"	SURVEY POINT
M-20	M-20 M-19	M-20 M-1	179°48'08"	SURVEY POINT

LINE	AS PER APPLIED		REMARKS
	(Metric Units)	DGPS	
OS1 - OS2	1468	293.80	BASE LINE
OS1 - M-12	1673	334.60	TIE LINE
OS2 - M-12	551	110.20	TIE LINE
M-1 - M2	102	20.40	SURVEY LINE
M2 - M3	243	48.60	SURVEY LINE
M3 - M4	273	54.60	SURVEY LINE
M-5 - M6	250	50.00	SURVEY LINE
M-6 - M7	225	45.00	SURVEY LINE
M-7 - M8	290	58.00	SURVEY LINE
M8 - M9	298	59.60	SURVEY LINE
M9 - M10	207	41.40	SURVEY LINE
M10 - M11	178	35.60	SURVEY LINE
M11 - M-12	251	50.20	SURVEY LINE
M-12 - R1	27	5.40	SURVEY LINE
R1 - M13	107	21.40	SURVEY LINE
M13 - M-14	233	46.60	SURVEY LINE
M-14 - M-15	215	43.00	SURVEY LINE
M-15 - M-16	152	30.40	SURVEY LINE
M-16 - M-17	238	47.60	SURVEY LINE
M-17 - M-18	238	47.60	SURVEY LINE
M-18 - M-19	72	14.40	SURVEY LINE
M-19 - M-20	226	45.20	SURVEY LINE
M-20 - M-1	291	58.20	SURVEY LINE

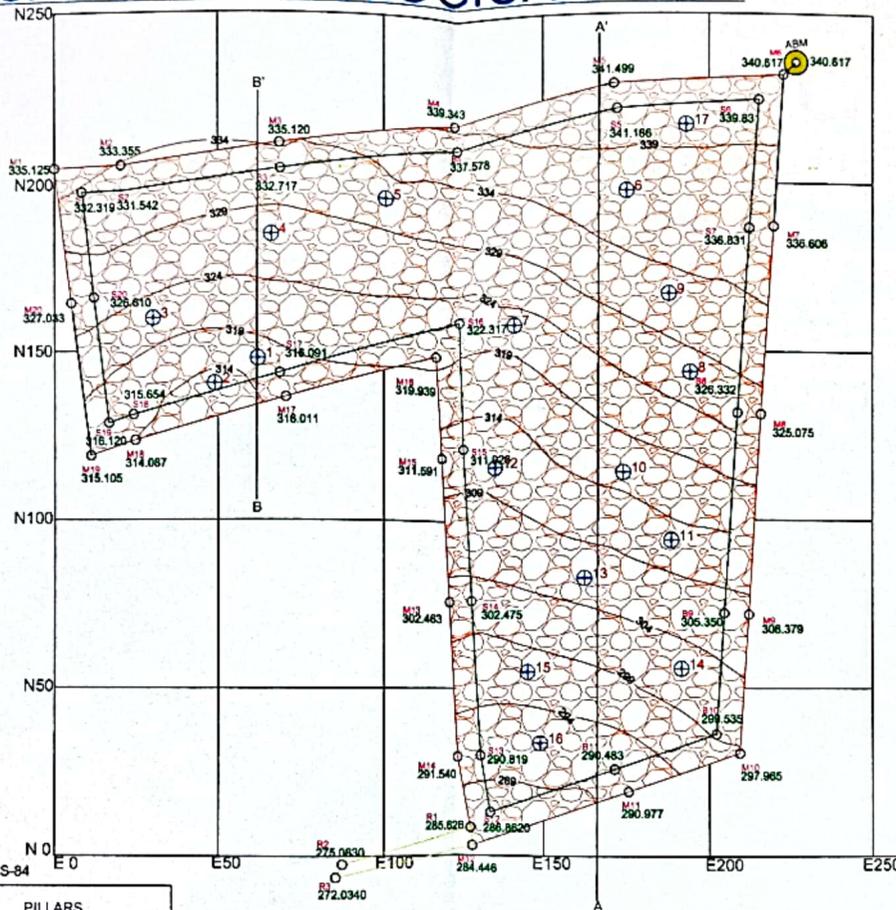
Legend

- Survey Boundary Points
- Survey Boundary Line
- FMB Line
- Sol Point
- ⬇ BM POINT
- G Line
- TIE Line
- OLD Stone
- ▭ Safety Zone area
- ▭ Road Area

SL.NO	Description	Area in (Hectares)
1	Mining Area	2.270
2	Safety Zone	0.610
3	Road Area	0.020
Total		2.900

NOTE : The DGPS Survey for the area is taken up synchronising nearest survey of GCP(SOI) is situated at Veterinary hospital, Betamcherla village, Mandal-Betamcherla, District-Kurnool, A.P.SOI E:194277.

TOPOGRAPHICAL CUM GEOLOGICAL PLAN



Geo Coordinates of lease area Datum WGS-84

BOUNDARY PILLARS			BOUNDARY PILLARS		
POINTS	LATITUDE	LONGITUDE	POINTS	LATITUDE	LONGITUDE
M1	N15° 18' 50.84745"	E78° 11' 24.65084"	M11	N15° 18' 44.90194"	E78° 11' 30.61635"
M2	N15° 18' 50.87993"	E78° 11' 25.33487"	M12	N15° 18' 44.35681"	E78° 11' 29.02841"
M3	N15° 18' 51.36634"	E78° 11' 226.94487"	M13	N15° 18' 46.72565"	E78° 11' 28.74956"
M4	N15° 18' 51.36634"	E78° 11' 28.75305"	M14	N15° 18' 45.21534"	E78° 11' 28.86145"
M5	N15° 18' 51.73954"	E78° 11' 30.38449"	M15	N15° 18' 48.12211"	E78° 11' 28.64718"
M6	N15° 18' 51.84511"	E78° 11' 32.09538"	M16	N15° 18' 49.10536"	E78° 11' 28.57256"
M7	N15° 18' 50.38683"	E78° 11' 32.01672"	M17	N15° 18' 48.67238"	E78° 11' 27.04341"
M8	N15° 18' 48.57188"	E78° 11' 31.91033"	M18	N15° 18' 48.23806"	E78° 11' 25.51611"
M9	N15° 18' 46.63396"	E78° 11' 31.81435"	M19	N15° 18' 48.8278"	E78° 11' 25.00337"
M10	N15° 18' 45.28953"	E78° 11' 31.73826"	M20	N15° 18' 49.55204"	E78° 11' 24.84163"

PLATE - III

INDEX

	ASSUMED BENCH MARK
	LEASE BOUNDARY
	CONTOURS
	ROAD
	BUFFER ZONE
	SECTION LINE
	ROAD METAL
	OB
	BLACK SHALE

MODIFIED MINING PLAN FOR ROAD METAL

M/s. SAINATH STONE CRUSHER
IN Compartment No.313, Ext.2,900, Bhanumukkala (V),
Banaganapalli (M) Kurnool District, (New Nandyal District) Andhra Pradesh.

TOPOGRAPHICAL CUM GEOLOGICAL PLAN

Applicant:- M/s. SAINATH STONE CRUSHERS,
Mg.Pt.Sr.Y.Balathimma Reddy,
H.No.2-23-4-18, Karsambag Colony,
Banaganapalli-518124,
Kurnool District,
Andhra Pradesh State.

CONTOURS INTERVAL:- 5m SCALE:- 1:1500

G. Iswar Reddy

Signature of Applicant

APPROVED

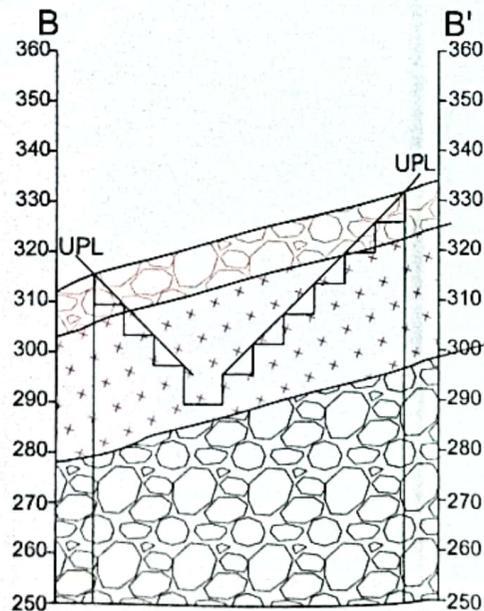
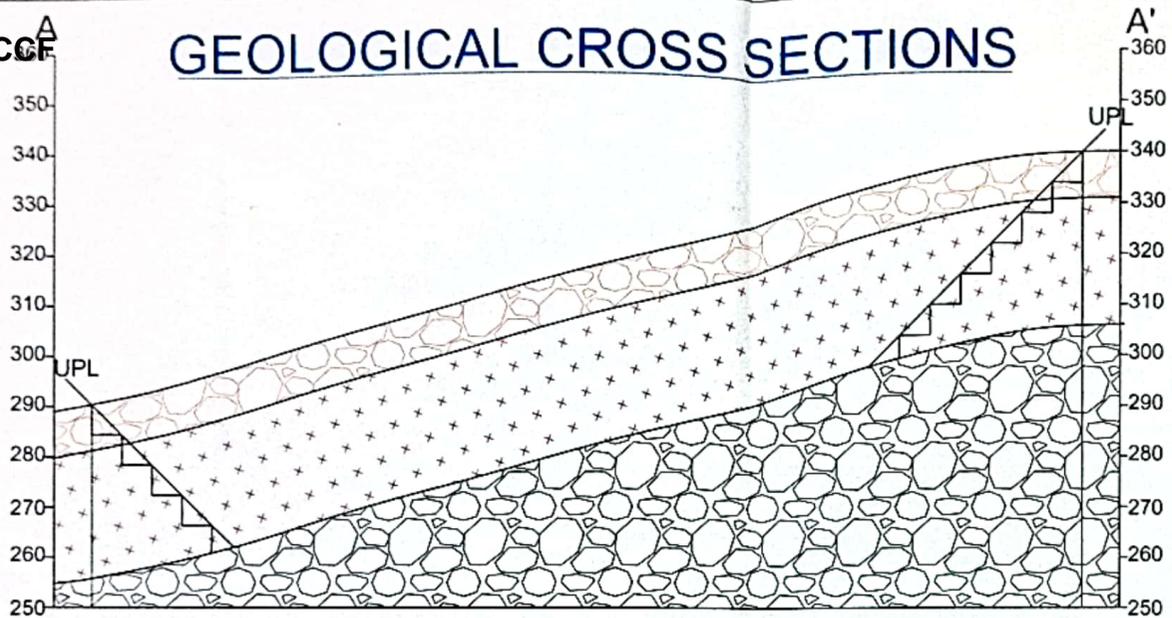
G. Iswar Reddy

Signature of R.Q.P

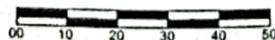
G. ISWAR REDDY, M.Sc., B.L., Ph.D.,
Recognised Geologist
IBM/RQ/HYD/302/2010.A
R.Q.P./M.C./AP/07/2014

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.

GEOLOGICAL CROSS SECTIONS



SCALE



APPROVED



STATE - IV

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

MODIFIED MINING PLAN FOR ROAD METAL

M/s. SAINATH STONE CRUSHER
IN Compartment No.313, Ext.2,900, Bhanumukkala (V),
Banaganapalli (M) Kurnool District.(New Nandyal District) Andhra Pradesh.

GEOLOGICAL CROSS SECTIONS

Applicant:- M/s. SAINATH STONE CRUSHERS,
Mg Pt.Sri.Y.Balathamma Reddy,
H.No.2-23-4-18,Kareembag Colony,
Banaganapalli-518124,
Kurnool District,
Andhra Pradesh State.

CONTOURS INTERVAL - 5m

SCALE - 1:1000

Y. Balakrishna Reddy

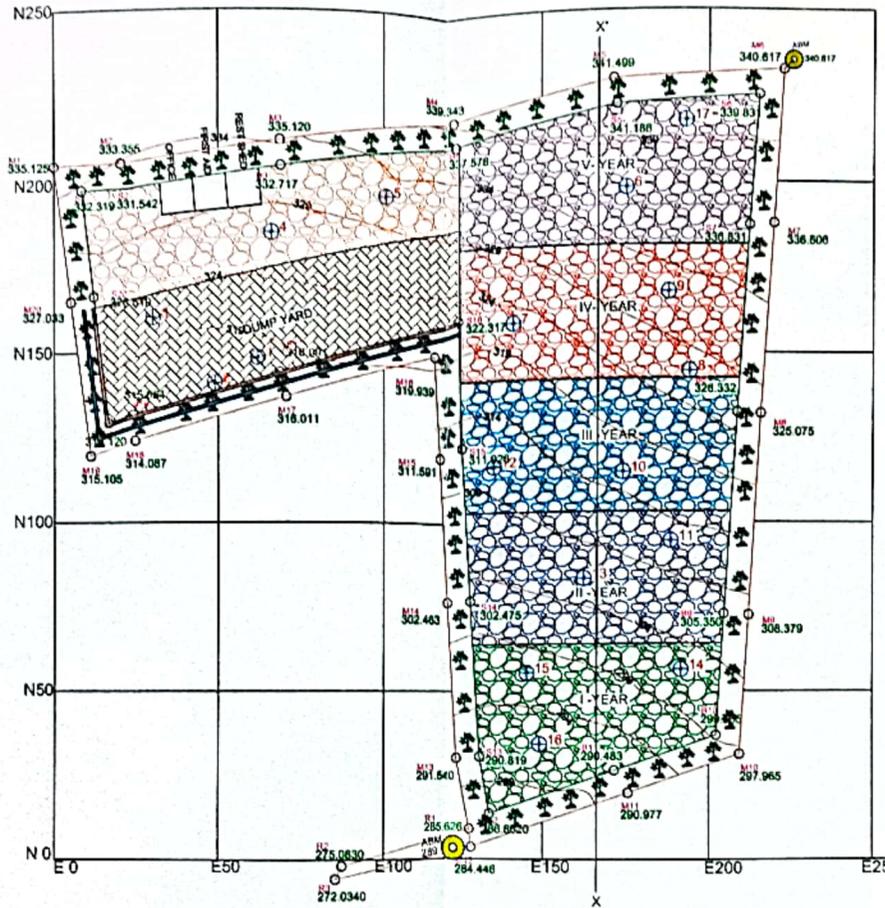
Signature of Applicant

G. LSWAR REDDY

Signature of R.Q.P
G. LSWAR REDDY, M.Sc., B.L., Ph.D.,
Recognised Geologist
IBMR/QR/19/302/2013.A
RQP/DMC/AP/07/2014

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YEAR WISE WORKING PLAN & SECTIONS FOR FIVE YEARS



Geo Coordinates of lease area Datum WGS-84

BOUNDARY PILLARS			BOUNDARY PILLARS		
POINTS	LATITUDE	LONGITUDE	POINTS	LATITUDE	LONGITUDE
M1	N15° 18' 50.84745"	E78° 11' 24.85084"	M11	N15° 18' 44.90184"	E78° 11' 30.61635"
M2	N15° 18' 50.87993"	E78° 11' 25.33487"	M12	N15° 18' 44.35681"	E78° 11' 29.02841"
M3	N15° 18' 51.36634"	E78° 11' 22.94487"	M13	N15° 18' 46.72565"	E78° 11' 28.74956"
M4	N15° 18' 51.36634"	E78° 11' 28.75305"	M14	N15° 18' 45.21534"	E78° 11' 28.86145"
M5	N15° 18' 51.73954"	E78° 11' 30.36447"	M15	N15° 18' 48.12211"	E78° 11' 28.64718"
M6	N15° 18' 51.64511"	E78° 11' 32.09537"	M16	N15° 18' 49.10536"	E78° 11' 28.57256"
M7	N15° 18' 50.36683"	E78° 11' 32.01672"	M17	N15° 18' 48.67238"	E78° 11' 27.04341"
M8	N15° 18' 48.57188"	E78° 11' 31.91033"	M18	N15° 18' 48.23606"	E78° 11' 25.51611"
M9	N15° 18' 48.63398"	E78° 11' 31.81435"	M19	N15° 18' 48.8276"	E78° 11' 25.06337"
M10	N15° 18' 45.28953"	E78° 11' 31.73820"	M20	N15° 18' 49.65204"	E78° 11' 24.84183"

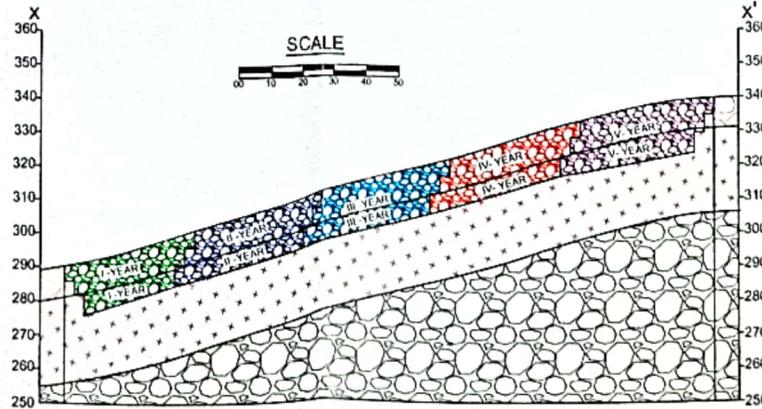


PLATE - V

INDEX	
	ROAD METAL
	LEASE BOUNDARY
	CONTOURS
	ROAD
	BUFFER ZONE
	CR
	ROAD METAL
	ROAD SURFACE
	SECTION LINE
	PROPOSED ZONE
	10' MARK LEVEL
	RETAINING WALL
	CAP AND DRAIN

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

MODIFIED MINING PLAN FOR ROAD METAL

M/s. SAINATH STONE CRUSHER
IN Compartment.No.313, Ext.2.900, Bhanumukkala (V),
Banaganapalli (M) Kurnool District, (New Nandyal District) Andhra Pradesh

YEAR WISE WORKING PLAN & SECTIONS FOR FIVE YEARS

Applicant:- M/s. SAINATH STONE CRUSHERS,
Mg Pt Sri Y Balathimma Reddy,
H No 2-23-4-18, Kareembag Colony,
Banaganapalli-518124,
Kurnool District,
Andhra Pradesh State.

CONTOURS INTERVAL - 5m

SCALE - 1:1500

Y Balathimma Reddy

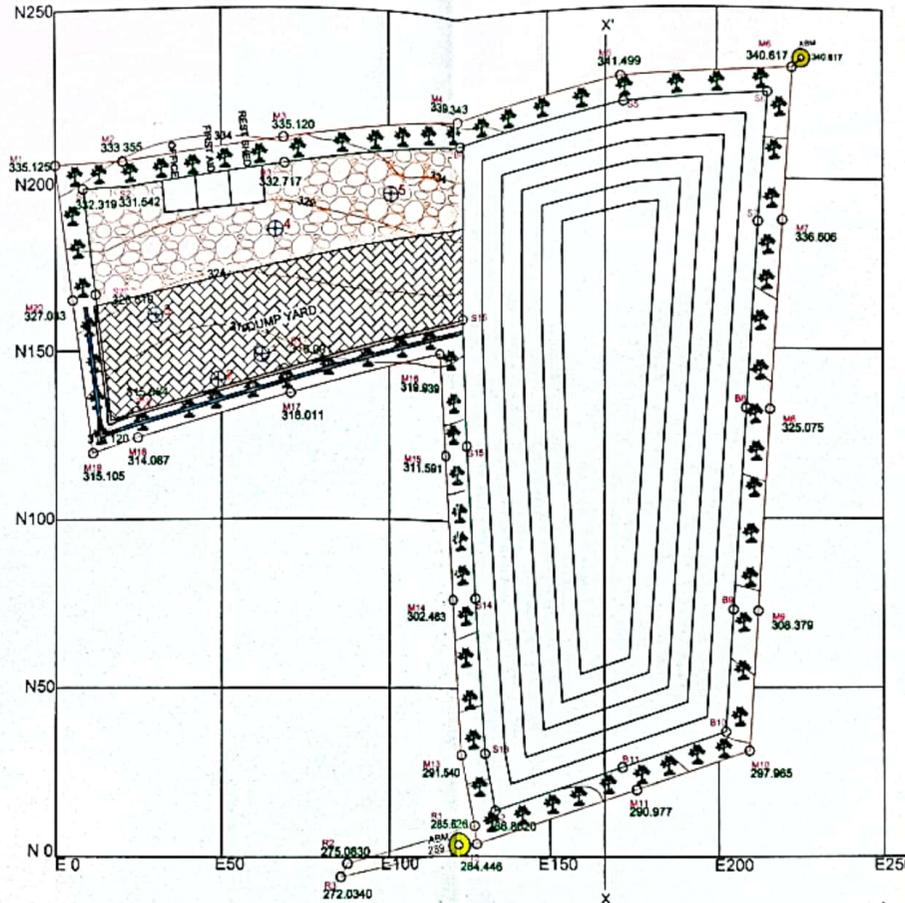
Signature of Applicant

APPROVED

G. Sivar Reddy
Signature of R.Q.P

G. SIVAR REDDY M.Sc., B.L., Ph.D.,
Recognised Geologist
IBM/RQ/HY/D/302/2010/A
RQP/D/MG/AP/07/2014

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Geo Coordinates of lease area Datum WGS-84

BOUNDARY PILLARS			BOUNDARY PILLARS		
POINTS	LATITUDE	LONGITUDE	POINTS	LATITUDE	LONGITUDE
M1	N15° 18' 50.84745"	E78° 11' 24.65084"	M11	N15° 18' 44.00194"	E78° 11' 30.61635"
M2	N15° 18' 50.87993"	E78° 11' 25.33487"	M12	N15° 18' 44.35681"	E78° 11' 29.02841"
M3	N15° 18' 51.36634"	E78° 11' 26.94487"	M13	N15° 18' 46.72565"	E78° 11' 28.74956"
M4	N15° 18' 51.36634"	E78° 11' 28.75305"	M14	N15° 18' 45.21534"	E78° 11' 28.86145"
M5	N15° 18' 51.73954"	E78° 11' 30.38449"	M15	N15° 18' 48.12211"	E78° 11' 28.64718"
M6	N15° 18' 51.84511"	E78° 11' 32.09538"	M16	N15° 18' 49.10536"	E78° 11' 28.57250"
M7	N15° 18' 50.38683"	E78° 11' 32.61672"	M17	N15° 18' 48.67238"	E78° 11' 27.04341"
M8	N15° 18' 48.57186"	E78° 11' 31.91033"	M18	N15° 18' 48.23606"	E78° 11' 25.51611"
M9	N15° 18' 46.63398"	E78° 11' 31.81439"	M19	N15° 18' 48.8276"	E78° 11' 25.06337"
M10	N15° 18' 45.28553"	E78° 11' 31.73209"	M20	N15° 18' 49.55204"	E78° 11' 24.84163"

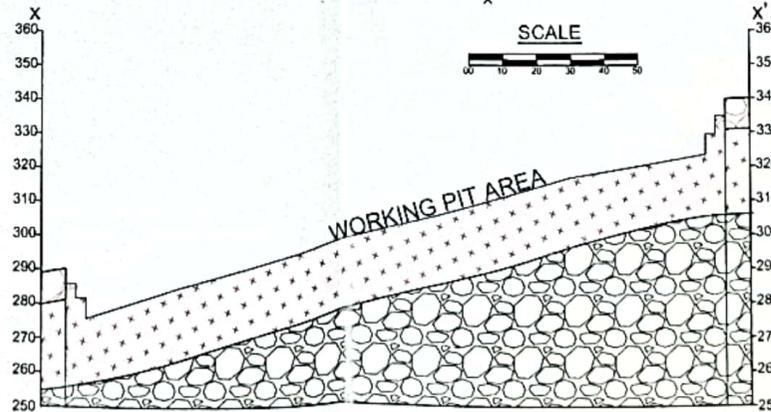


PLATE - VI

INDEX	
	PROPOSED BOUNDARY
	LEASE BOUNDARY
	CONTOURS
	ROAD
	BUFFER ZONE
	PROPOSED DUMP YARD
	ROAD METAL
	SECTION LINE
	PROPOSED DAM
	UPL
	ULTIMATE PIT LEVEL
	BITUMEN
	RETAINING WALL
	CABLE AND DRAIN

INDEX	
YEAR WISE	PLANTATION
I - YEAR	

MODIFIED MINING PLAN FOR ROAD METAL

M/s. SAINATH STONE CRUSHER
IN Compartment.No.313, Ext.2.900, Bhanumukkaia (V),
Banaganapalli (M) Kurnool District,(New Nandyal District) Andhra Pradesh.

CONCEPTUAL PLAN AND SECTIONS

Applicant:- M/s. SAINATH STONE CRUSHERS,
Mg PL.Sr. Y. Balathamma Reddy,
H.No 2-23-4-18, Kareembag Colony,
Banaganapalli-518124,
Kurnool District,
Andhra Pradesh State.

CONTOURS INTERVAL - 5m SCALE - 1:1500

Y. Balathamma Reddy

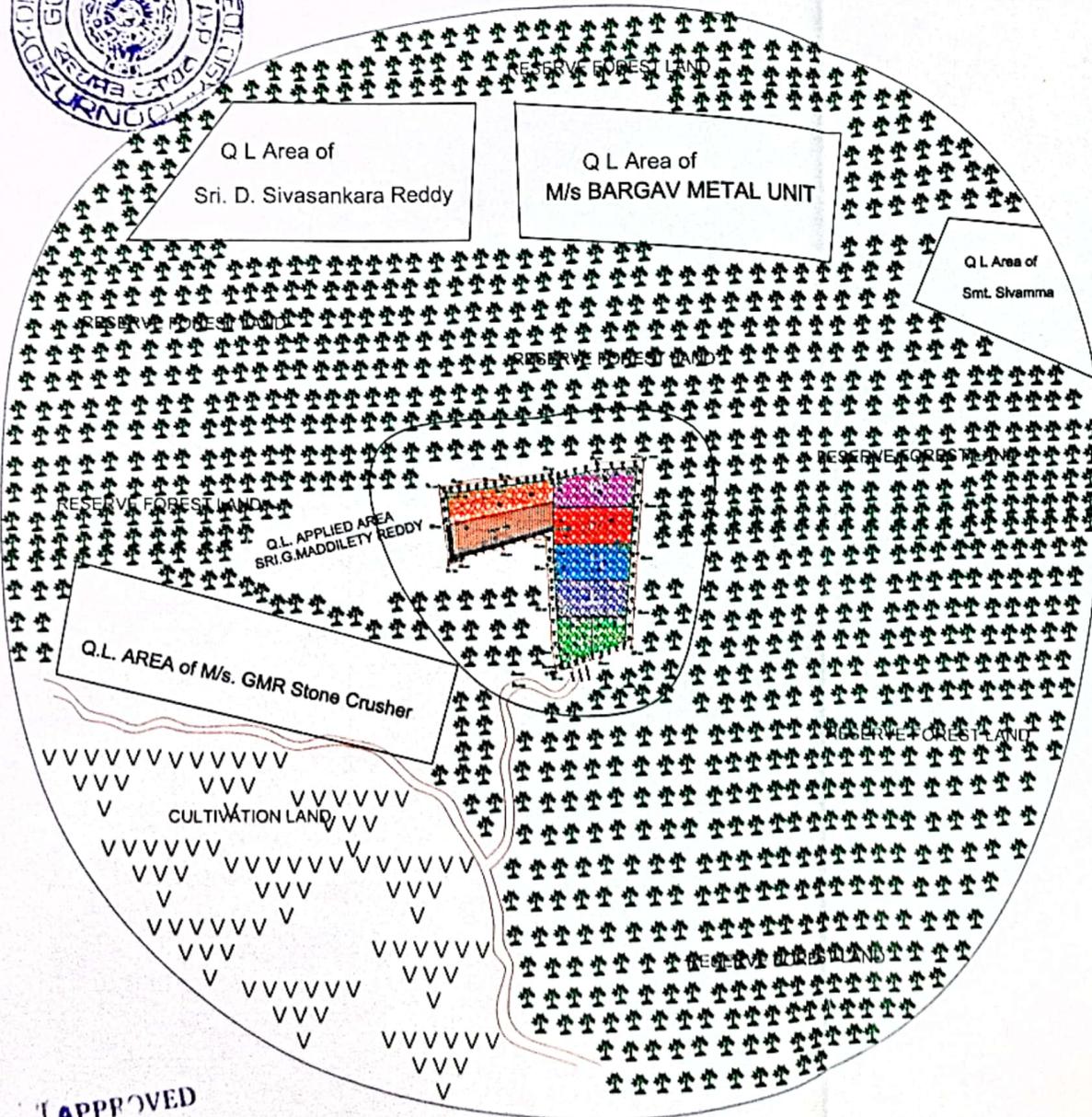
Signature of Applicant

APPROVED

[Signature]
Signature of R.Q.P
G. LSWAR REDDY, M.Sc., B.L., Ph.D.,
Recognised Geologist
IBNR/RQ/17/302/2010/A
RQP/01M/17/2814

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



APPROVED



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

M/s. SAINATH STONE CRUSHER
IN Compartment No.313, Ext.2,900, Bhanumukkala (V),
Banaganapalli (M) Kurnool District (New Nandyal District) Andhra Pradesh.

ENVIRONMENT PLAN

Applicant - M/s. SAINATH STONE CRUSHERS,
Mg Pt Sn Y Balaiahmmma Reddy,
H.No 2-23-4-18 Kareembag Colony,
Kurnool District,
Andhra Pradesh State

CONTOURS INTERVAL - 5m SCALE - 1:5000

M. Sela Thimmara Reddy

Signature of Applicant

G. Eswar Reddy

Signature of R.Q.P

G. ESWAR REDDY, M.Sc., B.L., Ph.D.,
Recognised Geologist
IBNR/QM/D/302/2015/A
RQP/JMCI/AP/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.

