

**Inspection Report cum scrutiny comments on examination of Review of Mining Plan in respect of Ravirala Limestone mine of M/s Ramco Cement Ltd over an extent of 124.33 Ha situated in Ravirala Village, Jaggayyapeta Mandal, Krishna Dist. of Andhra Pradesh State submitted under Rule 17(2) of MCR, 2016.**

Date of Inspection: 02.11.2021

Inspecting officer: Ibrahim Sharief, Sr ACOM.

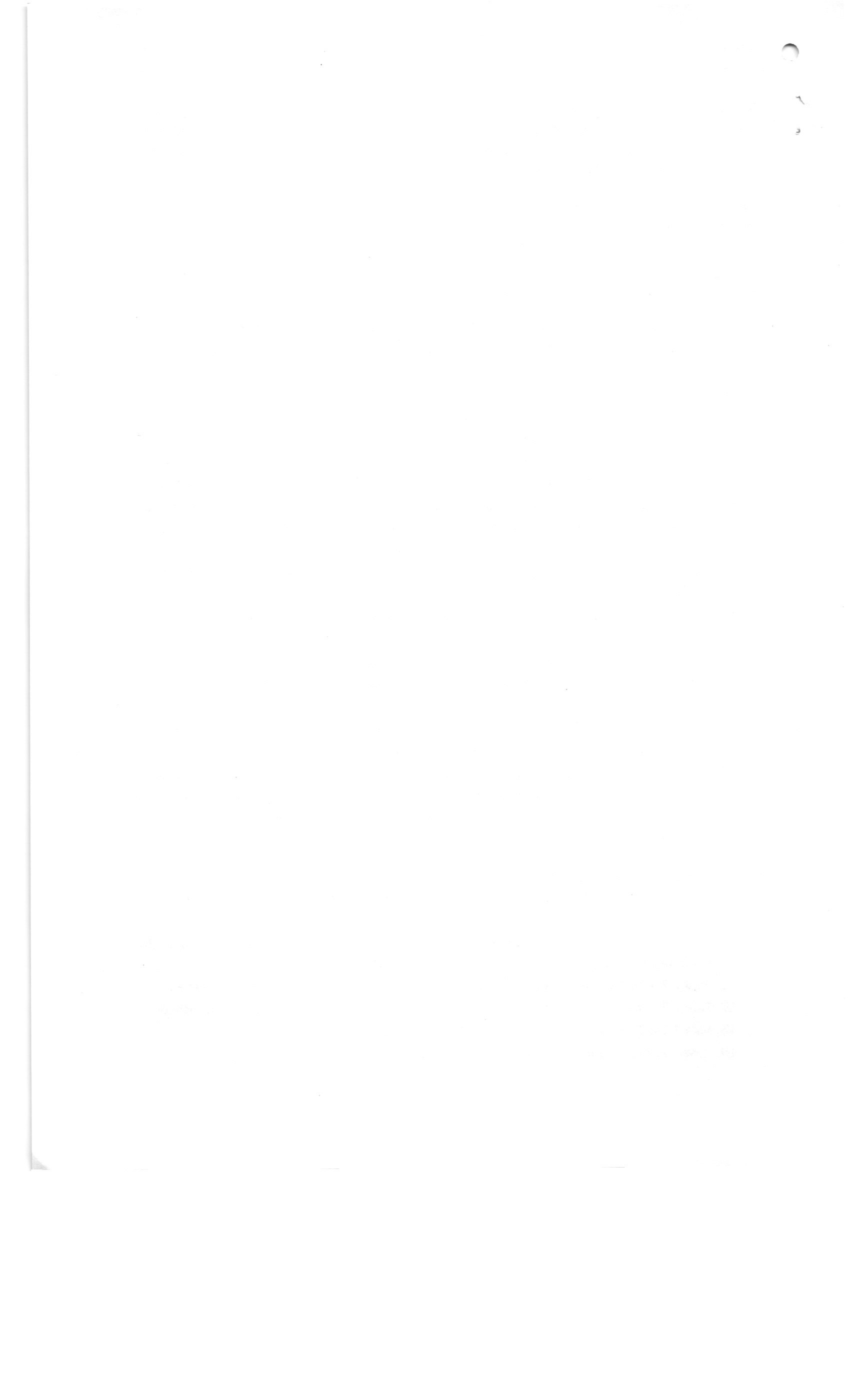
Accompanying officials: Shri P S Murthy, QP, Sri Jani Reddy, DGM (Mines)

**Chapter 1. General oversight & Cover Page: (a)**

1. Boundary pillars were not posted in Blocks-2,3,4 & 5, to verify the lease area.
2. Status of lease under section 4a of MMDR act to be furnished as there is no production and dispatch from the lease.
3. Mine code of the lease to be mentioned as 38APR10036, Type of Land i.e. Patta and Government land as per lease deed should be furnished.
4. Para 1.1: Mine code to be furnished correctly.
5. Para 1.1.1 : The details of lease grant to be furnished correctly as from 01.10.1997 to 30.09.2047, since the lease was granted for 50 years under section 8A of MMDR Act 1957.
6. Para 1.2: Details of Sy. no.48,49,50 etc. are missing which needs to be incorporated under this para. Further details of ownership of the land in case of Patta land, acquired by company, individual pattadar etc. to be mentioned in this para.
7. Para 1.3.1: Details of Mining Plan approved for the area over an extent of 124.33 Ha should be furnished.
8. Para 1.3.4.1 & 1.3.4.2: Status of Statutory compliance to be furnished as Obtained or not obtained.
9. Para 1.3.4: Details furnished should submitted with supporting documents.
10. Para 1.3.5.1: UTM co-ordinates of Lease boundary Pillars authenticated by State Government should also be furnished.
11. Para 1.3.6: details of E mail id and Mobile No. of Nominated owner should be furnished.
12. Digital signature of the Nominated Owner should be furnished.
13. Para 2.1.2: Details of places of worships, Power transmission lines, grazing land/ burial ground or cremation ground to be furnished as above are observed within buffer zone of lease area. Further Ravirala Village is existing within the lease area, the details of the same be furnished.

**Chapter No. 2.0 Geology and Exploration**

14. Details of Highest MRL & Lowest MRL of topography as per the updated Surface plan should be submitted.
15. Para 2.2.1.1: Geological mapping of the mining lease area should be submitted in 1:1000 scale for the detailed exploration as specified in the MEMC Rule, 2015.
16. Para 2.2.1.14: Details of area Covered under G1/G2 level of Exploration to be furnished.
17. Para 2.2.3: Maximum Grade and Weighted Average grade of the ore should be furnished.
18. Para 2.2.4.2: Weighted Average grade of the ore to be furnished in column 11.
19. Reserves and resources had been estimated considering the following :



20. Reserves and Resources should have been estimated for entire mineralise area within the lease instead of part lease area (67.29 Ha out of 124.33 Ha) (Para 2.2.4.1)
21. Reserves should have been estimated based on Study report of Recovery % of Limestone in Ore Zone, instead of considering 70% of recovery without any basis (Para 2.2.4.1)
22. Safety zone Electric Line passing through the lease area
23. Danger zone from Ravirala Village
24. Para 2.2.4.7: details of Cost & Revenue Factors to be furnished.
25. Para 2.2.4.9: Other Modifying Factors –mine is not in operation for want of statutory clearances, details of the same be furnished.
26. Feasibility report prepared is sketchy, the same should be prepared as per the guidelines of ME & MC Rules 2015.
27. In computation of Reserves and Resources, weighted average grade of ore to be furnished
28. Refer paras 2.2.4.11, 2.2.4.12 & 2.2.4.13
29. Para 2.2.5: About 57.04 Ha lease area is not yet explored so far. So future Exploration Proposal for the balance lease area to be proposed as required under the statute.
30. Para 2.2.6: Future Exploration Proposal should have been given to dig Trial pits and drill bore holes in the existing pits, to prove the depth persistence of ore body, and in unexplored portion of lease area.

### **Chapter 3: MINERAL BENEFICIATION / PROCESSING:**

31. Details related to crusher etc. within the lease area to be furnished

### **Chapter 4.0 Mining :**

32. 4.2.2.1: Bench Parameters: Bench design should be done as per the statute. The width of the working bench should have been design as required under statue, accordingly year wise development plan should be suitably modified.
33. The year wise production and development proposal should be corrected for the following reasons:
  - a. Refer section ML-2: Year wise production proposal are given mainly in Phyllite zone and there is no occurrence of ore in the area proposed for production for the years 2022-23, 2023-24, 2024-25. Thus, year wise computation made and proposals furnished is incorrect.
34. In year wise development & production proposals following contradictory statements are furnished
35. Reserves were estimated by considering recovery factor of 70% of Ore, whereas the same is considered 100% in year wise excavation and production proposal.
36. Para 4.2.2.3: Capacity of excavator (2.0 cum) furnished is different than that of considered in para 4.4.2 for computation of requirement of excavator, needs to be corrected.

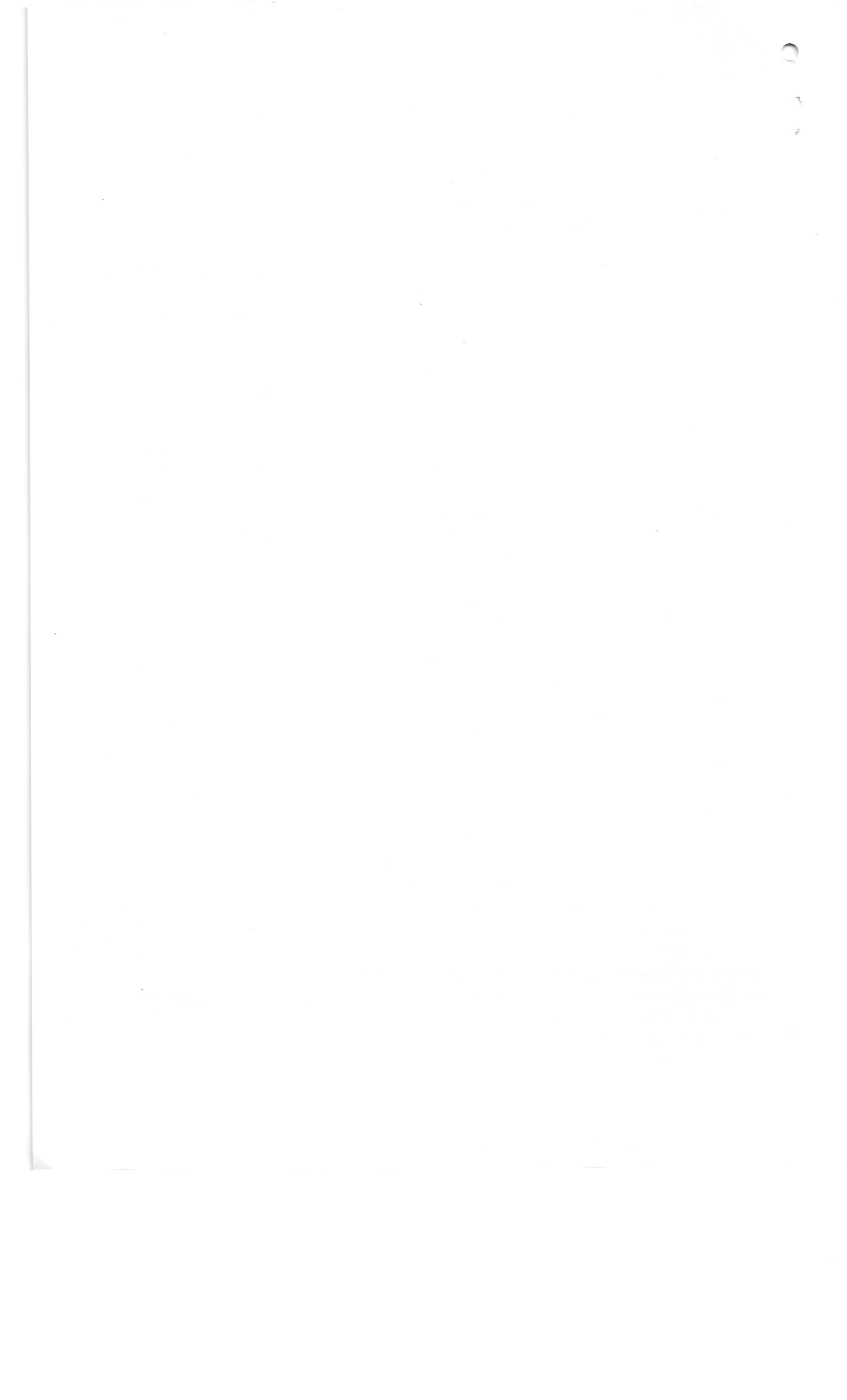
### **Chapter 6: PROGRESSIVE MINE CLOSURE PLAN**

37. Dumping is proposed, whereas protective measures like, retaining wall, garland drain should be proposed.

### **Chapter 7: FINANCIAL ASSURANCE/ PERFORMANCE SURETY**

38. Details of Bank Guarantee for the area put to use should be furnished with details of BG under this para.

### **Chapter 8: Review of Previous Proposals**



39. Para 8.2.1: only 20 bore holes drilled against 27 bore holes, details of the same to be furnished correctly
40. Para 8.2.2: year of earlier approved proposals to be furnished correctly and in achievement column mention as "up to 01.09.2021".

**Enclosures:**

41. Consent Letter/ Certificates and Undertakings from Lessee should be submitted on Original Letter head of Lessee.
42. Details of Annexures submitted with the document should only be furnished in the List

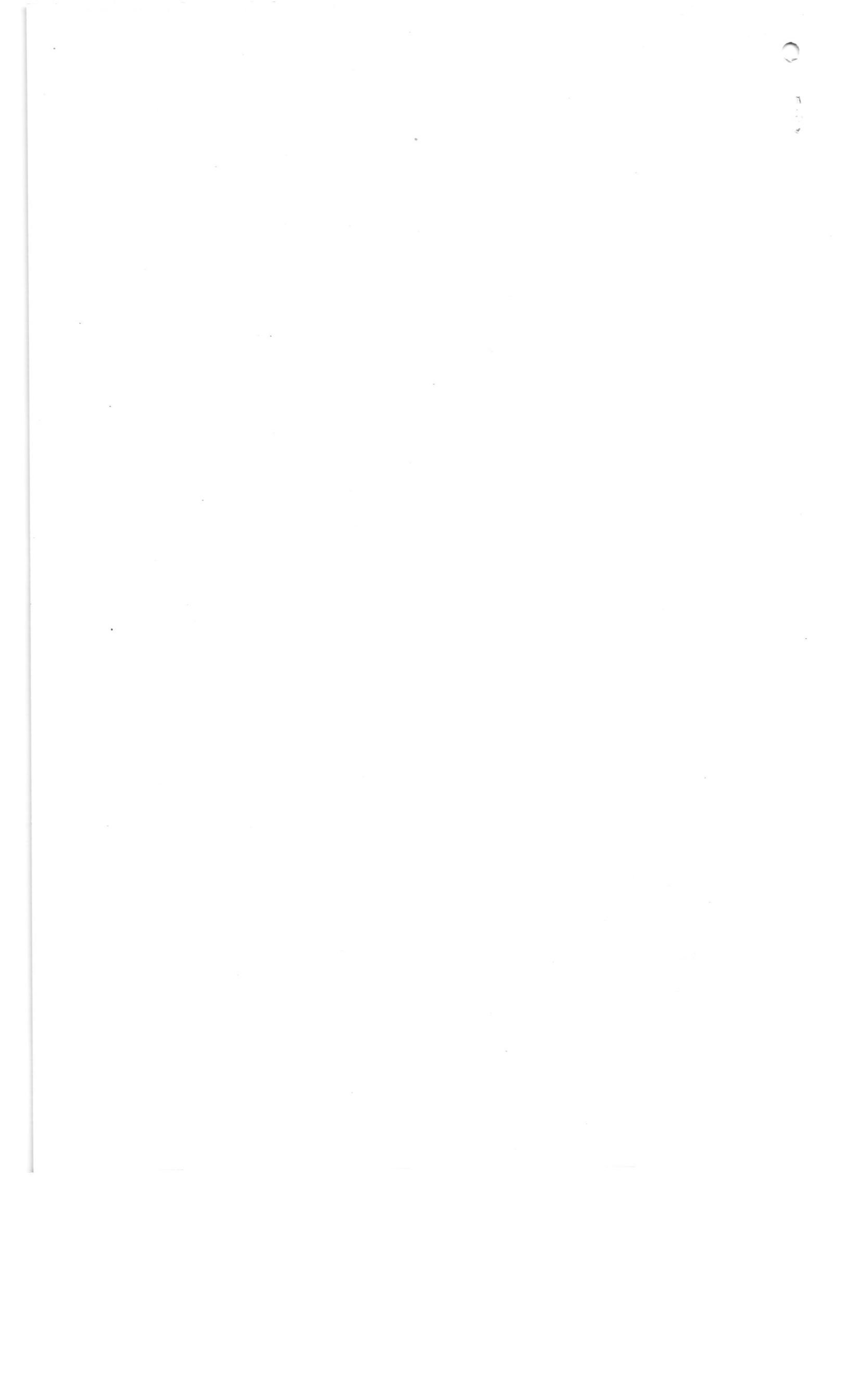
**Plates:**

43. All the plans and sections should be prepared covering the entire lease area, instead of part lease area.
44. Excluded area should be shown properly for clarity.
45. Plate IV; Surface Plan:
- Surface plan submitted is not matching with actual field condition. Contours shown in plans are not matching with actual field condition. The Bench mark at ML pillar-18 and ML pillar-21 is considered as 35.426 Mtrs MRL and 35.204 Mtrs MRL respectively, whereas as per DGPS survey of lease sketch authenticated by State Government the RL of these pillars is stated to be 39.93 Mtrs MRL and 39.01 Mtrs MRL respectively. In this regard submitted the updated surface plan as per actual field condition.
  - DTH bore holes drilled earlier in the lease area, Cart Roads etc. should be depicted in plans and sections.
  - Surveyor who carried out the survey should put his signature with certificate no. and Mining Engineer, Nominated owner should put his signature in the relevant plans as per statute.
  - Date of survey to be furnished.
46. Year wise production and Development Section:  
Year wise development and production sections should be submitted in separately for clarity  
Index should be marked
47. **General: (a)** The land use data to be submitted in digital form (Geospatial data). The land use patterns, feature type and file type required are broadly classified and given below:

Sl. No.	Land use information	Format	Remarks
1.	Mining Lease Boundary	.shp or .kml file	Feature type polygon
2.	Pit area	.shp or .kml file	Feature type polygon
3.	Dump area	.shp or .kml file	Feature type polygon
4.	Stack yard	.shp or .kml file	Feature type polygon
5.	Tailing dam (if applicable)	.shp or .kml file	Feature type polygon
6.	Reclaimed and Rehabilitated land	.shp or .kml file	Feature type polygon
7.	Afforestation area	.shp or .kml file	Feature type polygon
8.	Others – Road, railway, Infrastructure, processing plant etc	.shp or .kml file	Feature type polygon
9.	Boundary pillar co-ordinates in serial order (Latitude and Longitude in Deg Min Sec)	Excel	In WGS-84 datum

The Shape file should contain the Land use information as attribute data.

In view of the above, relevant para, plans and sections should be modified.







भारत सरकार/Government of India  
खान मंत्रालय/Ministry of Mines  
भारतीय खान ब्यूरो/Indian Bureau of Mines  
हैदराबाद क्षेत्रीय कार्यालय/Hyderabad Regional Office



Phone No. : (040)- 29553603/29554603  
E-Mail : ro.hyderabad@ibm.gov.in

Room No.603, 6<sup>th</sup> Floor,  
CGO Towers, Kavadiguda,  
Secunderabad – 500 080  
Date: 05.11.2020.

No. AP/KSN/MP/Lst-2A/Hyd  
To  
Shri P.R. Venkatrama Raja, Nominated owner,  
M/s Ramco Cements Ltd.,  
, "Auras Corporate Centre", V floor,  
98-A, Dr. Radhakrishnan Road,  
Mylapore, Chennai-600 004

Sub: Submission of Review of Mining Plan in respect of Ravirala Limestone mine (Revenue) over an extent of 124.33 ha. in Ravirala(V) Jaggayyapeta (M) Krishna district, A.P. submitted under Rule 17(2) of MCR, 2016.

Ref: Your email dated.14.10.2021.

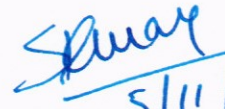
Sir,

01. With reference to your letter cited above on the subject, the inspection of the mine was carried out by Shri Ibrahim Sharief, Sr.ACOM along with Shri P. Jani Reddy, Agent (Mines), and Shri P. Suryanarayana Murthy, QP on 02.11.2021 and found certain deficiencies which were forwarded to you and your Qualified Person on respective e.mail ids i.e., minesjpm@ramcocements.co.in and psm@ramcocements.co.in.

02. You are advised to attend these deficiencies as per the annexure and resubmit the document, complete in all respects, in three bound copies along with soft copy in the form of CD (4Nos.) In this regard, you are directed to submit the Financial Assurance in the form of Bank Guarantee for the area put on use for Mining and allied activities @ Rs.Three lakhs/hectare for category 'A' mines provided that the minimum amount shall be Rs.Ten lakhs as per the provision of Rule 27(1) of MCDR, 2017 at the time of submission of final copies of the document within 15 (fifteen) days from the date of issue of this letter, failing which the document will be disposed without giving any further opportunity.


03. The para-wise clarification & the manner in which the deficiencies are attended should be given while forwarding modified document.

Yours faithfully,

  
5/11/21

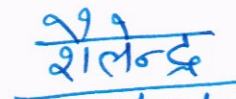
(Shailendra Kumar)  
Regional Controller of Mines

Copy to Sri P.Suryanarayana Murthy, QP for information and necessary action.

  
5/11/21

(Shailendra Kumar)  
Regional Controller of Mines

मूल पति पर नहीं  
खान नियंत्रक (द), भारतीय खान ब्यूरो, बेंगलुरु।

  
5/11/21  
( शैलेन्द्र कुमार )  
क्षेत्रीय खान नियंत्रक