

ANNEXURE- I

**Discrepancies observed in draft Scheme of Mining of Adegaon Limestone Mine (9.97 hect.) located in village Adegaon, District Yavatmal (Maharashtra) submitted by M/s Eshan Minerals Pvt. Ltd., under Rule 12(3) and 23 of MCDR1988.**

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**Field Observation**

It is found during the field inspection that surface features have been changed, therefore area needs resurvey.

**Text:**

1. Mineral Concession Rules 1960 has been repealed by Mineral (Other than Atomic and Hydro carbons Energy Minerals) Concession Rules, 2016, hence all the provisions should have been replaced and implemented by MCR- 2016 including rule position, provision of qualified person etc.
2. The processing of mineral limestone will be done only by this office and not for dolomite which is now minor mineral therefore mineral Dolomite should be removed from all the places from the text and plates.
3. Typical photograph of the pit/dump should be depicted on the cover page, location / direction of photos is to be given in other photographs also. Proposal period is not required to mark differently on the cover page.
4. Registration no. obtained from IBM by lessee under rule 45 of MCDR 1988 and Mine code allotted for the mine have not been given on the cover page as well as in the text.
5. As per record modified scheme was approved on 31.10.2012 for the period 2011-12 to 2013-14, therefore as per rule lessees should have submitted the scheme 120 days before i.e., 01.12.2013; the reason for not submitting Scheme of mining within due date may be justify.
6. It is mentioned that mining lease was executed with the collector Yavatmal on 01.07.2003 for 30 years and valid upto 30.06.2033 but on cover page and other places it is mentioned that as per new amendment lease period upto30.06.2053, but relevant paper from state government have not been enclosed for extended period. It should be enclosed.
7. Details of area should be given khasrawise, also details of the land is to be given with present and previous owner. Details of the mining lease and its history **in tabular form** with present and original owner is to be given.

Name of the lease and area	Order No. & Date of Grant of Lease	Date of Execution	Date of First Opening	Validity of Lease Period

8. Information about earlier approved or rejection MP/MMP/SOM with name of mineral is to be given **in the tabular form** for limestone /Dolomite Mineral as follows:-

SN	Lease area (ha)	Details of the document (Mining Plan /MMP/SOM etc	Rule under which document prepared	Approval/Rejection letter no. & date	Period of Proposal and validity

9. It is mentioned that mining lease is registered under rule 45. It should be corrected as registration of the mine owner and not the mine/ mining lease.
10. On page no. 2 it has been mentioned that limestone and limestone both are included in mining lease should be corrected, thus information should be corrected at each place in the document.
11. It is mentioned on page no.7 that there is no exposure of limestone in the lease area but limestone is found in upper layer of the minor mineral as un-separated bands. Reserve not calculated modified mining scheme- needs clarification.
12. Subsurface lithology of the lease area has not been established by exploration. Further geological reserves of limestone has not been established
13. The limestone reserves being claimed to be recovered from old dumps has not been supported with back up calculation and analysis report.
14. As per details given in reserve chapter geological sections needs to be corrected because it has been mentioned that top 1-2 m is carrying limestone alongwith some interbedded band that has not been shown on the sections
15. It is mentioned that no reserve of limestone has been estimated under proved and probable category in the earlier approved modified scheme of mining (page 11), also statement given on page no. 12 that 'As per re-estimation of **in-situ recoverable reserves** of limestone from limestone bearing dumps', needs clarification. Method of estimation of reserve as per Mineral Evidence Rules 2015 should be given; reserve of mineral limestone has not been estimated as per UNFC. Total mineral resources (A+B) showed 2396730 MT, basis of estimation of this reserve not given. Also size of all dumps not described from where limestone proposed to extract.
16. For limestone clear proposals for extraction from in-situ/dumps needs to be incorporated.
17. Under heading employment potential existing manpower is also to be discussed in tabular form including qualification, employment of Mining Engineer / Geologist should be given as per rule.
18. In the chapter Environmental base line information rainfall data, maximum and minimum temperature for last 5 years may be given from meteorological department, also HFL of nearest river, minimum and maximum level of water table should be ensured from ground water department and accordingly change all relevant paras.
19. On page no. 31 under 'Financial Assurance' only factual information about extraction of limestone is to be given. Financial Assurance as per rule has not been submitted in the office for the plan period, it should be submitted and copies of the same should be annexed with the scheme of mining document.
20. System of construction and maintenance of boundary pillars should be as per GSR 710(E) dated 08.10.2014 of Mineral Concession (Second Amendment) Rules, 2014 and rule 12(v) of Mineral Concession Rules, 2016.
21. Some of the certificates date is missing. All certificates should be as per manual of appraisal of mining plan 2014.

**Plates**

22. Location plan is not enclosed.
23. Wherever it is mentioned 'Adegaon Dolomite and Limestone mine' needs to be corrected.
24. Unless otherwise specified, all plans and sections should confirm to the provisions of rule 27 and 28 of MCDR, 1988, IS 7974 and MMR 1961 in respect of details to be shown, use of legend, use of scale etc. It is to understand the difference between RF and scale and accordingly change.
25. Date of survey is not mentioned, area should be resurveyed as most of the surface features like size of pit, size of dump have been changed. Hand written corrections have been made on some of the plans which are not allowed.
26. Surface Plan: Actual Dump size should be shown after resurvey.
27. Environment Plan- Features around core and buffer zone not shown properly.
28. Geological sections needs to be corrected as per comments given on sr no. 14.

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