

Inspection report cum Scrutiny comments on examination of Review of Mining Plan in respect of Ogipur Limestone mine of M/s Penna Cement Industries Limited over an extent of 221.59 Ha. located in Ogipur Village, Tandur Mandal Vikarabad District of Telangana State submitted under Rule 17(3) of MCR, 2016.

Date of Inspection: 26.10.2016

Inspecting officer:- Mr. Ibrahim Sharief, Sr. Assistant Controller of Mines & Shri A P Rao, AMG

Accompanying mine official:- Sri Venkata Ramanaiah, Sr. Mines Manager, Shri Veera Ragavulu, QP & Shri Kanakababu, Geologist.

TEXT:

General

1. Document should be prepared & submitted as per the format of "IBM manual for Appraisal of mining plan 2014" only.
2. The person signing the document has not been nominated by the board of directors of the company, in this regard copy of resolution of board of directors to nominate the person to sign the document as per the provision of MMDR Act and rules made there under should be submitted.
3. In cover page, consent letter survey no.'s of the lease area, rule under which the document submitted should be furnished. Further the progressive mine closure plan (PMCP) is part of review of Mining plan as per provision of rule 13(2)(f) of MCR 2016 hence no need to mention the PMCP additionally
4. Certificate by qualified person should have been submitted on company's letter head.
5. All the tables in the document should be serially numbered.
6. Page no.2, Table-1 should be re-examined and updated, in column 'status of approval of MP/SOM'.
7. Status of the statutory clearance like EC, CFE, CFO, surface right area held the lessee etc. should be furnished in introduction chapter along with documentary evidence.
8. Page 5, co-ordinates of ML pillar no.1 & 50 furnished is different from the co-ordinates submitted in plate no.2.
9. Geo-Co-ordinates of all ML boundary pillars authenticated by state government authority should be submitted.
10. Geo co-ordinates of ML pillar no.'s from 19 to 22, 27 & 42 should be submitted duly authenticated by competent authority of state government else commitment should be made to submit within six months.
11. Boundary pillars have not been established on western side of the lease area, the same should be established, further the remaining boundary pillars though established in the lease area but co-ordinates of the same has not been engraved/ painted, the above should be completed and photographs of the same should be submitted.
12. Color photographs should be enclosed in the document for easy reference pertaining to boundary pillars, quarry, dump, afforestation, core logs, ground control points etc.

Review of mining plan

13. Copy of violation letter by IBM during last plan period submitted is not legible.

GEOLOGY AND EXPLORATION

14. Details of bore holes drilled in the lease area so far should be furnished in tabular form incorporating; Period of drilling, bore hole no., Location, grid, collar RL, depth (in meters), brief description of bore hole log for easy reference.
15. Ore encountered in the bore holes drilled should be furnished in tabular form incorporating bore hole no., collar RL, ore encountered from to, lithology etc.
16. Expenditure incurred for exploration carried out during review period should be furnished with supporting document.
17. No. of samples carried out in respect of bore holes drilled should be detailed, further method of sampling adopted for analysis purpose should also be detailed.
18. Except the bore holes drilled in first phase (26 bore holes), chemical analysis of major radicals has not been analysed in meter wise basis and submitted. The reserves for the 26 bore holes drilled in first phase will only be considered for estimation. Remaining bore holes drilled cannot be considered at present in the category of reserves estimation and it

has to be brought under appropriate resource/ reserves category. Accordingly reserves/resources should be re-estimated and submitted.

19. Refer page no.24, it is stated that core samples were collected meter wise and analysis of the same was carried out, which is contradictory; the analysis report submitted is for not in meter wise basis instead it is the analysis of composite sample of 5,6,8meters etc. In this regard meter wise analysis of core hole sample should be carried out and submitted
20. Refer page no. 24, Parameters considered for reserve estimation; cut off grade of ore is considered as 51.25% TCO<sub>3</sub>/ 31.00% of Cao & SiO<sub>2</sub> of 31%, as the ore of this blending ratio with high grade ore needs to be furnished.
21. Bore holes submitted in NABL lab report (for chemical analysis, refer Annexure-12A) are found different than that of the bore holes furnished in the document, Form-J, Form-K, plans and sections, which needs reconcile and submitted.
22. Meter wise analysis report of all the bore holes drilled so far and 10% of the samples from NABL accredited lab should be furnished else commitment to submit the same in time bound manner as required under the provision of rule 12(5) of MCDR, 2017, then only the entire process of exploration will be considered as complete and the data can be used for estimation purpose.
23. Though it is reported that DTH bore holes were drilled but the chemical analysis report from NABL lab should be submitted. Further analysis report of argillaceous limestone encountered in the bore holes should also be analysed and submitted.

24. Details of exploration carried out should be furnished in the tabular form as below

SL no.	Area explored under				Total lease area
	G1 level (ha)	G2 level (ha)	G3 level (ha)	Unexplored area (ha)	

25. Survey was carried out was reported to be 31.08.2017, large scale deviation than the earlier approved proposals were reported accordingly proposal period should have been considered from 01.09.2017 onwards, relevant para, plans and section should be suitably modified and submitted.
26. UPL should be established first and drawn in relevant plans and sections.
27. Refer page no. 32, Average grade of ore for reserves should be furnished instead of grade range.

### Mining

28. As there is no overburden is proposed to be generated during the plan period, stripping ratio should have been furnished as Nil.
29. In year wise exploitation proposal the dimension of pit is stated to be reduced in dimension from (500m x 475m) in first year to (371m x 688m) in fifth year. Further in conceptual plan, page no.42, pit dimension at the end of plan period is furnished as 1000m x 623m, which is contradictory.
30. Sections considered in year wise development plans should be same as Geological sections for easy reference.
31. Composite plan and sections should also be submitted for the 5 years plan period.
32. No proposal of top soil stacking within 100 meters from the state boundary should be submitted.
33. Study of ground water table should be carried out from an institute of national repute and report should be submitted within the six months, a commitment should be made in this regard.

### Mine Drainage

34. Exploitation proposal is submitted up to 5<sup>th</sup> bench, but the same is subject to NOC from competent authority for working below ground water table.

### Conceptual plan

35. Conceptual plan should be submitted for entire lease area instead of part area and UPL should be submitted.

## PMCP

36. Retaining wall and garland drain should be proposed all along the bottom periphery of the top soil dump to prevent wash off of the same.
37. Review of PMCP should be furnished in tabular form.
38. Copy of three season base line data monitored should be enclosed.
39. In financial assurance table, area already degraded due to old pits and dumps, (16.85 Ha), 0.06 Ha for garland and settling pond, 1.73 Ha of storage of top soil etc. should be added. Accordingly financial assurance table should be suitably modified.

## PLATES

40. All the plan submitted in original only be acceptable, copies of plans and sections cannot not acceptable.
41. General location map should be submitted.
42. Cadastral map of the lease area should be submitted.
43. Copy of original lease sketch authenticated by state government authority and authenticated Forest map should be submitted in addition to plan no. R.RF/02/17.
44. Surface plan should be duly dated and signed by mines manager, surveyor with certificate no., mining Engineer, Geologist in relevant plans and sections as per the statute. Further, surface plan submitted should have been prepared as per the provision of rule 32(a) of MCDR 2017
45. Surface Geological plan submitted should be as per the provision of rule 32(a) of MCDR 2017
46. Standard color code and convention should be used in all plans and sections as per the provision of rule 31(2) of MCDR, 2017.
47. UNFC code should be depicted in all relevant plans and sections.
48. In Key plan submitted, State Boundary should be marked distinctly and details as per the provision of rule 32(5)(a) of MCDR 2017 should be furnished.
49. Environment plan should be submitted incorporating the details as per the provision of rule 32(5)(b) of MCDR 2017
50. All the plans and sections submitted should be as per the provision of rule 34 of MCDR,2017, like certificate for correction by mining Engineer, Geologist, reference from original plan kept at the mine.

## ENCLOSURES

51. Form K in respect of bore holes drilled in First phase is also required to be submitted for reference.

In view of the above comments relevant para, plans and section should be suitably modified and submitted.



GOVERNMENT OF INDIA  
MINISTRY OF MINES  
INDIAN BUREAU OF MINES  
Office of the Regional Controller of Mines

No. AP/RR/MP/Lst-12/Hyd

Room No.603, 6th Floor,  
CGO Towers,Kavadiguda,  
Secunderabad.-50008  
Date: 06.11.2017

To  
Sri D.Lakshmikantham,  
Nominated Owner,  
M/S.Penna Cement Industries Limited,  
Lakshmi Nivas,705,Road No.3,  
Banjara Hills,  
Hyderabad-500 034.

Sub: Submission of Review of Mining Plan in respect of Ogipur Limestone Mine of BM/S.Penna Cement Industries Limited over an extent of 221.92 Hc. Situated in Survey Nos. 73,76 to 95 and 106 to 127 of Ogipur Village, Tandur Mandal, Vikarabad Dist., A.P. submitted under Rule 17(2) of MCDR, 2016.

Ref: Your letter no. Nil dated Nil, received this Office on 19.06.2017.

Sir,

With reference to your letter cited above on the subject, the site inspection was carried out on 2.10.2017 by Shri Ibrahim Sharief, Sr.ACOM, & Shri A.P.Rao,AMG accompanied by Shri Venkata Ramanaiah,Sr.Mines Manager,Shri Kanakababu,Geologist and Shri Veera Raghavulu,QP.the draft Review of Mining Plan has since been examined and found certain deficiencies as given in Annexure. The same scrutiny comments have already been forwarded on e mail id of your Qualified Person as submitted in the document. [tandur.mines@pennacement.com](mailto:tandur.mines@pennacement.com) and [raghavulu.vv@pennacement.com](mailto:raghavulu.vv@pennacement.com)

02.You are advised to attend the 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 (2Nos.). 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 and @ Rs.Two Lakhs/hectare for category 'B' mines provided that the minimum amount shall be Rs.Five 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.

Yoursfaithfully,

(Pankaj Kulshrestha)  
Regional Controller of Mines

Copy to :Sri Shri Veera Raghavulu,QP.

Yours faithfully,

Encl:a/a

(Pankaj Kulshrestha)  
Regional Controller of Mines

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

(पंकज कुलश्रेष्ठ)  
क्षेत्रीय खान नियंत्रक

