

Inspection cum scrutiny comments in respect of Kolimigundla Limestone Mine over an extent of 7.875 ha in Sy. Nos. 191/A1, 191/A2, 188/3 and 195/4A 3A(P) of Kolimigundla Village and Mandal, Kurnool District of M/s S.J.K. Steel Plant Limited

General:

1. In cover page: The proposed financial years should be mentioned. The break up of total lease area such as -
 - (i) Govt. waste land.
 - (ii) Govt. grazing land.
 - (iii) Private agriculture irrigated land.
 - (iv) Agriculture non irrigated land.
 - (v) Private other land.
 - (vi) Others (specify) should be distinctly furnished on the cover page itself.
2. Permanent and present address of the lessee/nominated owner should be submitted alongwith documentary proof/ID proof/Aadhar card/ Pan Card. An attested copy of registration of company clearly indicating whether it is proprietorship or partnership firm should be furnished.
3. Soft copy of the draft mining plan to be submitted.
4. Certificates, consent letter and declaration should be given by Nominated mine owner. Resolution of board of directors for nomination of Nominated Owner. List of Board of directors to be enclosed.
5. In cover page and introduction the rules 13 of MCR 2016 and 23 of MCDR 2017 be corrected and Mining Plan should to be submitted under rule 17(3) of MCR 2016.
6. The Sy. Nos. indicated on cover page, text and plates should be as per the proceedings and legible authenticated lease sketch issued by the competent authority. The Sy.Nos and extent be mentioned in all the certificates and undertaking.
7. The lease sketchhaving Geo-coordinates of all the boundary pillars duly authenticated by competent authority of the State Gov. be submitted. All plans should be based on the lease sketch as described above.
8. IBM registration number under rule 45 of MCDR, 2017 is not given.
9. Copy of transfer of mining lease in Form-O to be submitted.

10. The document in support of validity of lease and the order of extension of lease as per section 8A(5) of MMDR Act issued by State Govt.

11. The reason for not submitting the Mining Plan document for this lease ever since the issue of order regarding part transfer in 2006.

12. The reason for not submitting the returns and notice of opening of mine.

13. The consent letter for preparing the mining plan should have been issued by the nominated owner, whereas it has been submitted by Shri. Vijay Gorur in the capacity of representative of the company.

Geology

Para 1.0 (b)

Geological mapping be done on 1 : 1000 scale, demarcating level wise explored area clearly in the Geological plan.

Regional Geology be submitted correctly with stratigraphically succession. Also the local lithological succession be submitted.

The Strike & Dip direction be marked in the Geological plan. Geological section lines be marked on the geological plan and the geological section be prepared across the Strike direction.

Proposed exploration be submitted financial year wise alongwith coordinates, collar level, depth of the proposed bore holes.

Enclose all the drilled bore holes log sheets with chemical analysis and lab reports.

Furnish the details of bore hole wise total no of sample collected and analysed by NABL Lab in tabular format. Copy of NABL certificate and its validity period be submitted.

In the geological axis justification (Technological) the details of sampling & chemical analysis carried out be furnished. In the feasibility axis justification details of EC, CFE & CFO obtained be furnished with capacity. Further costing be furnished as per the format of Annual Return. In the marketing, grade of mineral be mentioned.

Geological plan & geological sections be signed by the Geologist.

UNFC category of reserves/resources be mentioned in the geological sections. Sectional influence for BB', CC' has been consider more.

1.0(iv)(j) : For Calculation of reserves and resources, specific gravity of limestone is mentioned as 2.6. It should be corrected as 2.5 and also in Geological resources table as page no. 18.

It is not clearly spelt out the depth of lime stone minerlization. Depth of orebody considered for reserve estimation to be specified.

Reserves/resources estimation factors be discussed.

Recovery of Reserves/ Resources to be considered as 100%. Thus estimation made should be modified. Meter wise analysis of Bore hole samples be submitted

As the cut off grade is 38% of CaO and threshold value of lime stone is 35% of CaO, there will be generation of mineral &/Sub grade.Thus the year wise generation, stacking & disposal of rejects mineral rejects/sub grade be discussed.

Pre feasibility/feasibility report as per MEMC rules be submitted.

Ultimate economic depth of mining to be discussed.

Incongruity has been observed in Grade of lime stone mentioned at page no. 20. (Cao-34%) & the cut off grade- (Cao-38%). Feasibility report as per the MEMC rules be submitted.

Mining :

Mining has been proposed in the area which is not explored atleast by G2 level of exploration.Thus mining proposals be submitted for the area which has to be exposed at G2 level of exploration.

Lay out of year wise mining schedule to be submitted in tabular form indicating the co-ordinates labels.Direction of bench movements, bench height bementioned as per MMR 1961.

In the table, the financial yearwise rate of production proposed should be commensurate with the established reserves/resources to sustain the longevity of the deposit and accordingly the excavation/production proposalse be reviewed.

In the table of Insitu Tentative Excavation, (at page no 21), 5% of total ROM has been considered as mineral reject which is not acceptable,thus ROM to

be considered as 100%. ROM to Waste ratio provided in page no. 21 & 23 are different from each other, which is to be clarified.

Conceptual pit plan chapter to be redrafted for production, exploration, disposal of waste, MR/SG generation, reclamation and rehabilitation.

Para 2.0(d) :Mining Plan to be submitted under category 'A' Fully Mechanized Mine as production achieved with the proposed mining machinery.

It has been mentioned that Mineral produced from the mine is to be used for captive purpose, which is not correct, thus it should be mentioned as Flux grade for Limestone (Steel making purpose), and the required grade of the mineral be mentioned.

7.0 Employment potential : Highly skilled may be mentioned as Mining Engineer/Mines Manager and as Geologist.

8.1 : Environment baseline information public buildings, places of worship etc.

A mention may be made about the distance and direction of Bellam caves from the mine and mining activity impact on the caves and precaution measures taken thereof.

Environmental monitoring and environmental protection measures along with plantation be proposed year wise and be shown in the respective plans.

8.4 Disaster Management and Risk assessment

The name of responsible person alongwith address and contact details are not furnished.

Plates:

The survey numbers and extent be properly indicated in all the places as indicated in proceedings letter issued by Assstant Director of Mines and Geology Banaganapali, Kurnool District, A.P.

Plate – 2(Lease sketch):

The datum of the Geo-co-ordinates has not been mentioned. An authenticated lease sketch alongwith geo-co-ordinates has not been mentioned may be submitted and all the plans be prepared as per the

authenticated lease sketch. The Sy. Nos. furnished should tally with the proceedings no. 1360/M4/2006 dated 15.11.2006.

Plate No. 3 (Surface Plan): Ground control points are to be marked/shown in the surface plan.

All the plates are to be prepared on a scale 1:1000 RF.

In all the plates, it has to certify that:

All the plans must bear a certificate that the plan is correct to the best of my knowledge and the Plans and sections are prepared based on the lease map authenticated by the State Government and the same is to be certified by the qualified person, below the title. Also all the plans and section be signed by the Nominated owner.

In the **Environmental plan** others mining lease area, village road, NH and SH highway be demarcated.