

**Scrutiny comment on draft Mining Plan submitted by M/s Rashtriya Ispat Nigam Limited(M/s RINL) in respect of Jaggaiahpeta Limestone Mine (900 Ha) located at Budawada, K.Agraharam, Muktesarapuram Villages of Jaggaiahpeta Mandal, Krishna District, Andhra Pradesh after inspection on 21.02.2020. Inspection accompanied by Shri Vijay Kumar-DGM(Mines) & QP, Shri K.SrinivasaRao-Dy Mgr(Geology) & QP**

**General**

- 1) As the lease period of the lease has been extended for a period of 50 years by Act and rules made there under, Modification of Mining Plan needs to be submitted instead of Mining Plan.
- 2) The latitude and longitude of all the corner boundary point/pillars needs to be submitted in the text at the place where it is required instead of submitting the same as annexure.
- 3) Revised Toposheet no to be mentioned in the text.
- 4) Reason for last modification needs to be submitted correctly.
- 5) As there is no provision for group of qualified persons in MCR-2016, only one qualified persons be nominated to prepare the document.
- 6) The document needs to be prepared as per the IBM manual on appraisal of mining plan- 2014. Mine drainage chapter, Stacking of Mineral reject/Sub Grade Material and Disposal of Waste, Use of Mineral and Mineral Reject, Processing of ROM and Mineral Reject should be dealt as per the format of Mining Plan guidelines issued by IBM.
- 7) Supplementary lease deed towards extension of the lease period upto 50 years needs to be submitted.
- 8) Copies of work experience certificate and copy of certificate towards educational qualification in respect of qualified person needs to be submitted.
- 9) List of board of directors needs to be submitted duly signed by company secretary.
- 10) Board resolution in respect of nomination of board of directors needs to be submitted.

**Review**

- 11) Review to be submitted upto the date of survey. Further the review of afforestation and exploration needs to be submitted year wise.
- 12) Status of compliance of violations to be submitted for each rule wise.

**Geology**

- 13) Information pertaining to exploration needs to be submitted only in respect of the present ML area and details needs to be submitted. Locations of all the old exploration inputs need to be demarcated in the surface geological plan.
- 14) NABL accreditation certificate and scope needs to be annexed.
- 15) Exploration proposal needs to be submitted to explore the entire area in G1 level. The detail should be submitted in tabular format having details like year wise area to be explored G1 level from G3 and G2 level separately with no of BHs needs to be drilled.
- 16) Justification needs to be submitted for 90% recovery.
- 17) GCP Points location co-ordinates and their distances from boundary pillars needs to be mentioned along with the Bench mark co-ordinates, its level and place from where it has been transferred needs to be mentioned in text at Geology Chapter point no 1(f) and needs to be demarcated in the plans.
- 18) The scale at which Geological mapping has been carried out needs to be submitted in text at Geology Chapter point no 1(g).
- 19) In the justification for Geological axis, total no of meter wise sample and composite sample prepared needs to be submitted under the sub head sampling and sub Sampling. In the sub head Assay data and laboratory test total check sample analysis done by NABL laboratory needs to be submitted. In G3 justification no of bore holes drilled with

grid pattern needs to be submitted. In the feasibility axis justification under Sub head Environment FC, EC, CFE, CFO No with Date and capacity needs to be submitted. Information under sub head Infrastructure and services needs to be submitted for automated wagon loading system, mining machineries. In the Economic axis justification Specific end-use grades of reserves need to be submitted.

- 20) UNFC Categorization of blocked resources needs to be submitted correctly and accordingly changes need to be made in the Geological Cross section.
- 21) Reserves/Resources between cut off grade and threshold value needs to be submitted.
- 22) Bore hole lithologs needs to be signed by the Geologist appointed in the mine.
- 23) Feasibility report for the mine should be submitted as per the format of Part-V of MEMC Rules-2015.

### **Mining**

- 24) In the existing mining methods the closed conveyor system and the automated loading system needs to be briefly submitted.
- 25) Year wise mining proposals should not be proposed in any area for which safety barrier zone is required.
- 26) Insitu tentative excavation needs to be submitted as per the format of Mining Plan Guidelines.
- 27) In the layout of mine working amount of advance to be made length wise, width wise, height, co-ordinates, Bench no and level, direction of movement, Volume needs to be furnished year wise in tabular Manner.
- 28) The bench wise weighted average grade of the proposed mining block for each year needs to be furnished.
- 29) Letter no of Permission of HEMM u/r 106(2)(b) MMR-1961 needs to be mentioned.
- 30) Fines dump location co-ordinates, dimension needs to be submitted. Fines dump should not be mentioned as waste dump.
- 31) Conceptual chapter needs to be submitted 5 year block wise for exploration, mining, afforestation, dumping of fines, top soil generation, back filling and reclamation and rehabilitation. The details to be submitted in tabular form for five year wise block for additional area, Quantity, nos.
- 32) In the present, conceptual and proposed five year land use details information needs to be submitted for fines dump.
- 33) Ground water study report abstract needs to be annexed.

### **PMCP**

- 34) The total area put to use as per the table-41 is less with comparison to area put to use for mining and allied activities. Accordingly the bank guarantee amount needs to be calculated based on scrutiny comment and net area put to use. Bank gurantee needs to be submitted having validity upto 31.03.2025 for the entire area put to use.
- 35) Afforested area needs to be demarcated correctly in the Reclamation plan and surface plan. Plantation needs to be proposed further more and its year wise location co-ordinates, dimension, area with no of plants needs to be submitted.
- 36) Construction of retaining bund/wall and garland drain needs to be proposed around the waste/ fines dump and construction of settling tank needs to be proposed.

### **Plans and Sections**

- 37) Contour lines and levels are not shown in the Key and Location Plan.
- 38) All the plans and sections should be submitted as per the provision of rules 31, 32 & 34 of MCDR, 2017 and signed by the surveyor having Certificate of Competency of Survey from DGMS.
- 39) Proposed waste dump needs to be demarcated in the YWPD plan and needs to be demarcated in the reclamation plan, Financial Assurance Plan and the area needs to be considered for bank guarantee calculation.

- 40) The buffer zone location for Ambient Air Quality and Water Quality needs to be demarcated in the Key Plan and Environmental Plan where as the core zone locations needs to be demarcated in the Reclamation plan.
  - 41) The retaining wall and garland drain already constructed needs to be demarcated in the surface plan.
  - 42) In the year wise production and development plan the area proposed to be mining should be demarcated with Bench RL/No to be mined. The approach road, ramps needs to be demarcated on the year wise production and development plan and sections.
- .....



Hkkjr ljdkj/Government of India  
[kku ea=ky;/Ministry of Mines  
Hkkjrh; [kku C;wjks/Indian Bureau of Mines  
gSjckcn {ks=h; dk;kZy;/Hyderabad Regional Office



Phone No. : (040)-27539992/2753993  
Fax No.(TF): (040)-27539991  
E-Mail : ro.hyderabad@ibm.gov.in  
No. AP/KSN/MP/Lst-7/Hyd

Room No.603, 6<sup>th</sup> Floor,  
CGO Towers, Kavadiguda,  
Secunderabad – 500 080  
Date: 11.03.2020.

To  
Shri Ajit Kumar Saxena, Nominated owner,  
Rashtriya Ispat Nigam Limited,  
Visakhapatnam Steel Plant,  
Administrative Building,  
Visakhapatnam-31,  
Visakhapatnam District ,(A.P.)

Sub: Submission of Mining Plan in respect of Jaggayyapeta Limestone mine over an extent of 1295 Ha. in Budawada (V), Jaggayyapeta (M), Krishna district, A.P. submitted under Rule 16(1) of MCR, 2016.

Ref: Your letter No. JLM/IBM/MP/2020 dated. 07.02.2020.

Sir,

With reference to your letter cited above on the subject, the site inspection of the mine was carried out by Shri S.K.Muduli, JMG accompanied by Shri Vijay Kumar, QP & DGM (mines) and Shri K.Srinivasa Rao, QP & Dy. Manager (Geology) on 21.02.2020 and found certain deficiencies as given in Annexure. The same has been forwarded to you and your Qualified Person on respective e.mail ids i.e., [vspjlm@yahoo.com](mailto:vspjlm@yahoo.com) and [minesvspjlm@gmail.com](mailto:minesvspjlm@gmail.com).

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 (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 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,

Sd/-

(Shailendra Kumar)  
Regional Controller of Mines

Copy to Sri Shri Vijay Kumar, QP & DGM (mines) and Shri K.Srinivasa Rao, QP & Dy. Manager (Geology for information and necessary action.

Sd/-

(Shailendra Kumar)  
Regional Controller of Mines

ewy ifr ij ughaS

[kku fu;a=d (n), Hkkjrh; [kku C;wjks] csaxyq:A  
Sd/-

( शैलेन्द्र कुमार )  
{ks=h; [kku fu;a=d

