

Scrutiny comments in respect of Nana Goniassar Bauxite Mine, area-70.93Ha, M.L/Sy.No.116/p non-forest, A- category, situated in Nana Goniassar –village, Mandvi-Taluka, Kuchh-Distt. Of Gujarat-State for approval of Review of Mining Plan under Rule 17(2) of MCR, 2016 for the approval period of 2017-18 to 2019-20.

01. **Cover page-**(a) The period of approval of RMP & expiry of lease period should be corrected as per State CGM / MMDR Amendment Act, 2015. It needs correction in text pages also.

02. **Introduction-** It should be discussed in brief regarding expiry of lease period of 50years wef 12.6.1967 to 11.6.2017 as per MMDR Amendment Act,2015 & lessee has been submitted the renewal application to State CGM for further extension of mining lease period as per provision of “The mineral (mining by Govt. Company) Rules 2015” with supporting documents .

03. **Location & Accessibility:** -(a) The expiry of lease period should be given as State CGM direction/ MMDR Amendment Act, 2015. (b) The ownership right should be given as per form-I&IV/Govt. revenue records & should be translated & enclosed in further submission.

04. **Review of mining plan:** -(a) The five year period of approval of RMP from 2008-09 should also be discussed. (b) The last Scheme of Mining was approved on 12.2.2013 for the period of 2013-14 to 2017-18 (11.6.2017). It is not understood how mine production work was carried out after 11.6.2017.It need to be justified. (C) The OB/Waste proposal in last approved SOM & 100% deviation should be discussed & justified. (d) It was observed during inspection that irrespective of ROM Stacks, (<10MM) of sub grade/mineral rejects stacked with in lease area but same has not been given in monthly return closing stock. It needs clarification. The qualitative aspects has not been described correctly on page-19.

05. **Geology:-** (a) The copy of few more chemical analysis report of bauxite/intercalated waste/mineral rejects etc. should be submitted from an NABL accredited Laboratory. (b) The re-estimate the reserves & resources as per provision of MEMC Rule15. (c) The remaining lease area should be proposed exploratory hole/pits as per MEMC rule, 2015 /IBM Manual & given in tabular form.

06. **Mining-** Page-24,(a) The production proposal for 2017-18 (Jan.18 to march,18) is over, therefore it needs correction in all relevant pages. (b) The proposed year of production & development should be as per State CGM or Extension of lease as per MMDR Amendment Act, 2015. It needs correction. (c) It was observed during inspection that method of mining is being done by Rock-breaker & excavator-tipper combination without primary drilling & blasting proposed. Only secondary J/H drilling & blasting, as & when require, may be proposed. It needs correction & modification in relevant pages. (d) Page-33,The present broken area shown as 14.69Ha & further 10Ha is requires for next 2-3 years (24.60Ha) is not correct. (e) The minimum area in later extension should be proposed if no scope in depth wise proposal. (f) The adequacy of man & machinery, calculation & their capacity should be discussed & justified. (g) It should be clarified whether HEMM proposed/used is own/hired/contract etc. with supporting documents. (l) It was observed during inspection that mining operation done unsystematically & so many pits developed & formed in lease area. Same should be proposed for regular benches & level of the area in PMCP.

07. **PMCP-**Page-42, (a) Para-8.1, land used table should be replaced as per TableA2.9 Stage wise land used & reclamation area as page-33. It needs correction. (b) The 4.10Ha area shown as plantation/green belt should be development more thick in poor survival area by gap filling plantation with additional area proposal. It needs correction. (c) Page-49-51, tables should be modified as per above scrutiny. (d) The aesthetic environment of area is requiring more attention to continue 5-Star rating of mines. (e) A comprehensive proposal for restoration/rehabilitation of mined out land is to be given

08. **Financial assurance,** Page-58, -(a) It should be reconcile & furnish the break-up of entire degraded land including lease area not declared for matured plantation. (b) The copy of original valid bank guarantee for extended period of five years for the A-others category mine as per provision of MCDR, 2017 should be submitted to IBM Gandhinagar Regional office. (Minimum 10Lakh)

All plan and section, text & tables should be modified based on above scrutiny.

Plan & sections: -

Key Plan: Land use status i.e. Govt. land, private land & forest land, wind rose diagram etc must be shown by different colour code.

Surface Plan: The index & legend should be modified & effectively shown with different colour code. It needs correction. The OB/ROM stacks/mineral rejects should be effectively shown. The surface plan should be signed & certified by mine surveyor /mine manager with date & place

Surface Geological Plan & sections: The existing/proposed exploratory core boreholes, mine pits with G1, G2, and G3 level of exploration should be judiciously shown. The Collar level of drilled borehole & field RL of hole should be reconcile & corrected.

Production & Development plan& sections: The plan & section should be updated & modified yearly, irregular bench height should be proposed for regular, top & bottom RL & area etc. The protective measures, approach roads to working pits etc. should be proposed & shown properly. The year wise proposal should be modified pit wise in G1&G2 level of exploration only. The non-mineralized area of 06 negative boreholes should be proposed for plantation/afforestation.

Conceptual Plan: The pit position of mine at conceptual stage of tentative mining should be shown in conceptual plan with showing plan & block period of mining with levels as given in existing & proposed land used details.

Reclamation Plan-Existing & suggested proposed afforestation should be shown properly with retaining wall, water harvesting pits & fencing.

Financial Assurance Area Plan- The break-up of mine land area in plan should be matching with land used details given in table & text.

Annexure:

1. A letter from State CGM for extension of lease period as per provision of "The mineral (mining by Govt. Company) Rules 2015" should be submitted in further submission.
2. The copy of renewal application submitted to State CGM for extension of lease as per provision of "The mineral (mining by Govt. Company) Rules 2015" should be submitted in further submission.
3. Field photographs of mine workings, lease boundary pillars with number, RL, latitude and longitude as provision of MCR, 2016 should be submitted.
4. Latest Quarterly monitoring report on air, water & noise is not enclosed as per category of the mine for duly signed with date & place.
5. All Geological reserves/ Blockable reserves calculation & Year-wise production & development calculation tables should be annexed with relevant chapter / text of document.
6. The copy of original valid BG of extended period should be submitted in the form of annexure.
7. The further submission of document should be properly binding having sufficient strength and the plates are properly folded so that they can be accessed easily.
