

Scrutiny comments on the Review of Mining plan along with Progressive Mine Closure Plan of Parambaljori Iron ore mine over 47.15 ha of M/s Anindita Steels Limited, located in village Parambaljori, Taluk - Noamundi of West Singhbhum District submitted under rule 17(2) of MCR, 2016 and 23 of MCDR, 2017.

A.TEXT:-

1. On the cover page (a) Rule should be 17(2) of MCR 2016 instead of only Rule 17.
(b) IBM Registration number may be given.
(c) Plan period ie. Year 2020-21 to 2024-25 may be given.
(d) Lease expiry date 27/02/2041 (To be extended upto 27/02/2061 as per MMDR Amendment Act 2015) may be written.
2. Introduction: - (a) In the first para, instead of Plan area 47.15ha. Lease area 47.15ha may be written. (b) Full address of the Sponge Iron Plant, i.e. village, Post Office, District may be given. Instead of 'KLIN' 'KILN' may be written. (c) In the 3rd para instead of Passenger Station, Railway Station may be written. The name and Number of Highway is not correct. Correct name and Number may be written. (d) In the 4th para, Copy of approval letter of First Mining Plan in September 2008 and the scheme of mining on 09/06/2016 may be annexed and referred.(e)In the last para instead of ' present Report' 'Review of mining Plan' may be written. Also ' PMCP for next 5 years w.e.f. 2020-21 has been prepared and submitted ' may be written.
3. Para 1.0(a)(i)Registered address of M/s Anindita Steels Ltd. may be given.(ii) Phone no. E-mail id of the Office at Vikas Bhawan & Registered Office may be given. (iii) Phone no. /Mobile number, E-mail id of The Nominated Owner may be given. (iv)Copy of Board Resolution not enclosed. (v) Permanent address of Firoz Abdi may be given. (vi) Complete address of Sponge Iron Plant may be given.
4. Para 2.0(a):-(i)Registered address of M/s Anindita Steels Ltd. may be given.(ii) Phone no. E-mail id of the Office at Vikas Bhawan & Registered Office may be given. (iii) Phone no. /Mobile number, E-mail id of The Nominated Owner may be given.
5. Para 2.0 (b) (i) The type of land for the waste land may be written as ' Purani Parti' instead of ' Purani Patit". (ii) Existence of Public Road /Railway line:- Instead of Passengers Station, Railway Station may be written.
6. Page 4, Para 2.0(), Existence of public Road:- (i)Name and number of Public Road given is not correct. Correct name and number may be given. (ii) Plate Number of Key Plan may be given.
7. Page 6, Para 3.1 :- Plan period of 1st approved Mining Plan, approved on 23/09/2008, Approved Modification of Mining Plan dated 29/10/2015 for the plan period 2013-14 to 2014-15 and scheme of mining approved on 09/06/2016 have not been mentioned.
8. Page 6, Para 3.2 :- Details of Modification of Mining Plan for year 2013-14 to 2014-15 approved on 29/10/2015 indicating reason for modification have not been discussed.

9. Page 6, Para 3.3 :- (1) Exploration:- The details of the Temporary Discontinuance Period may be given in Remarks Column ie. T.D from 1st September 2016 & from 1st July 2018.
- (2) Mine Development:- Same as scrutiny comment no. 9(1) above.
- (3) Production (Saleable Iron Ore):- Actual production during 2019-20 may be given.
- (4) Waste Management:- Actual Waste generation during 2019-20 may be given.
- (5) Afforestation:- There is deviation in the Proposal and Actual plantation. The reason may be given.
10. Page 7, Para 3.3(3):- Actual production during 2019-20 may be given.
11. Page 8, Para 3.3(4) :- Actual Waste generation during 2019-20 have not been given.
12. Page 8, Para 3.3(5) Afforestation:- There is deviation in the Proposal and Actual plantation. The reason may be given.
13. Page 9, Para 3.4:- Status of compliance of last five years not given in Tabular Form. Violation dated 11/05/2020 and its compliance have not been given.
13. Page 10, (i);- compliance status of Violations for last 5 years have not been given.(ii) Copies of violation letters and Reply to the violation letters may be given.(iii) reason for compliance of Rule 26(2) is not acceptable. (iv) Photographs for compliance of Rule 11(1) may be given. (v) Violation letter issued on 01/05/2020 and its compliance have not been given.
14. Page 11, Para 3.5:- (i) Suspension of mining operations by Task Force, IBM, vide letter no. KOL/JHK/SB(W)/Fe& Mn(P-2) dated 24/04/2014 and its revocation order vide letter even no. dated 14/11/2014 have not been given.
15. Page 13,- The relative humidity is given for which month have not been mentioned. Xerox copy of the EIA Study by Mine Mc Consultancy Pvt. Ltd.
16. Page 16, Para 1.0 (e):- Exploration already carried out in the area.:-(a) Yearwise exploration done may be given.(b) Area for G1,G2,G3&G4 exploration carried out so far may be given.(c) Remaining area for exploration ,if any ,may be given.
17. Page 17,para 1.0(i) :- Proposed exploration in the light of Rule 12(v) of MCDR 2017 .
18. Page 24, para 1.0 (A)(k) ,Table 3.2:- The area for exploration for G1,G2,G3 & G4 may be given.
- 19 Page 27, Estimation of Recoverable reserve and life of mine:-The symbol of subtraction is given instead of division.
20. Page 29, Table 2.1:- (a) Table 2.1 not drawn as per Universal Format. Mineral Reject column is not given.(b) The unit given for ROM/Waste ratio is not correct. It should be cum/cum as per Universal Format.(c) Unit for ROM, Mineral Reject should be in cum.(d) The ROM + Subgrade (Mineral Reject) should not exceed E.C. Limit, especially for Year 2020-21 and Year 2024-25.(e) Separate Table for Stripping Ratio Te/cum. may be given.

21. Page 29&30, Table 2.1 & Table 2.2:- Production figure given in Table 2.2 is not matching with Table 2.1. The ROM + Subgrade (M.R) should not exceed the E.C. limit of 1,20,000 Metric Tonne.
22. Page 31&32: Brief Design of Pit Design, Page 33,34, Table 2.4:- Instead of 1st yr., 2nd yr., 3rd yr.,.....etc. Year 2020-21, 2021-22,.....upto 2024-25 may be written.
23. Page 36:- Calculation for requirement of dumpers for removal of Ore and Waste is confusing. Total number of Dumper required as 3 (2 for waste + 1 for Ore) for each Shovel may be written.
24. Page 39, Table 2.8, Page 37, Table 2.7 & Page 36, Table 2.6:- Number of Dumpers given in Table 2.8 is not tallying with Table no.2.6. At least 3 Dumpers each for each shovel may be provided to reduce idle time.
25. Page 41(i) Make and Capacity of Mobile Crusher may be given.(ii) Para 2: The statement that no exploration is suggested at present may be modified w.r.to scrutiny comment no.17 above.
26. Page 42, Waste Management & Table 2.1 (Insitu Tentative Excavation): On page 42 it has been stated that a part of the Lateritic Soil will be utilised for plantation in Plant area, but on Table 2.1 nothing has been mentioned.
27. Page 42, Ultimate Pit Limit & Page 84, para 8.6:- At page 42, at the end of the review of mining plan period, about 9.74ha. mining & allied activity will be degraded has been stated. But at page 84, para 8.6 only 9.10ha has been considered. It is observed that the Financial assurance has been calculated on 10.65ha. It may be reconciled and accordingly F.A. may be calculated and submitted.
28. Page 44 & 45, table 2.10:- On page 44, the area for safety zone has been given as 2.61ha, but at page 45, Table no.2.10, it has been given as 2.41ha at Ultimate Stage. May be reconciled.
29. Page 48, para 4.0, Table 4.1:- The blending column have been stated as Nil, from 2020-21 to 2024-25, which is not acceptable. Some blending should be proposed during ensuing five years period as stated at page 55, para 5(c).
30. Page 50, Table 4.3, Spread & Height of proposed Waste Dump:- As per Specific Condition (x) of E.C. dated 15/02/2012 there shall be one external overburden dump having projected height of 8m. The overall slope of the dump shall be maintained to 28 degrees. Accordingly Table no.4.3 may be modified along with the Dump Plan & Section. (Plate no.8).
31. Page 54, para 5(a):- (i) The capacity and address of the Sponge Plant of the lessee may be given. (ii) Instead of next plan period, current plan period may be written.
32. Page 51, Table 4.4:- Unit for subgrade generation and available for stacking (A) has not been given.

33. Page 51, Table 4.5:- Only Spread and Height of proposed Subgrade stack has been given. But its year wise utilisation have not been given.
34. Page 56,Para 6:- Make and Capacity of Mobile Crusher and Screening Plant may be given. Whether the crushing and screening plant used are hired or own, may be stated.
35. Page 57,para 7(b):- Number of local employees may be given.
36. Page 64, Para 8.1(vii):-Instead of National Park, Natural Park has been written.
37. Page 68, Para 8.3.1:- (a) In the second para it has wrongly been stated that the entire target area is mineralised as Proved based on the exploration already carried out. However, the Geological Plan (Plate no.5) states otherwise. (ii) The details of the adjacent P.L. area of the company e.g. Area, validity period may be given.
38. Page 72, Table 8.6, year (2020-21), Page 75 (Year 2021-22), Page 76 (Year 2022-23), Page 78 (Year 2023-24) & Page 80, (Year 2024-25):- On Page 72, for Dump Management it has been stated in Remarks column that the present waste dump is active but at page 75,76,78&80 it has written that this is a fresh area is not correct. May be reconciled.
39. Page 72, Table 8.6 & Page 53, Table 4.6:-For Dump management, No unit for the total Boulder Wall has been given. Also the break –up of the length of Boulder wall is not matching as compared to Table 4.6, at Page 53.
40. Page 73, Table 8.6 :- (i) In the remarks column , instead of Next Plan period, Current Plan Period may be written. (ii) Unit as Meter for Garland drain not given.
41. Page 74, Table 8.6:- The total expenditure in Rupees is not matching.
42. Page 82& Page 84, Para 8.6, Table 8.7 :- On page 82 the projected area degraded at the end of next five years plan period has been given as 8.83ha ,but at page 84, Table 8.7 ,it has been given as 10.65ha. May be reconciled.
43. Page 84, Para 8.6:- (i) Financial Assurance may be calculated as per scrutiny comment no.27 and submitted, which must be valid upto 31/03/2025.
43. Page 84, Table 8.7, Financial Assurance :- In the earlier approved Scheme of Mining dated 09/06/2016, additional requirement during plan period & Net area considered for calculation was 5.32ha & 11.40ha respectively. Whereas in the draft Review of Mining Plan It has been proposed as 4.57ha & 10.65ha, which is less. It may be reconciled.
44. Consent letter from the applicant is not as per Universal Format for Approval of Mining Plan, 2014. (i) Para 01:- Rule 17(2) of MCR 2016, Instead of Rule 17 and Rule 23 of MCDR may be written. (ii) Para 02:- regarding certificate for implementation of CCOM Circular 02/2010 within 6(Six) months from the date of approval of Review of Mining Plan is missing.
45. Few coloured photographs on Mining, Transport & Dumping, Environment have not been given.

B.ANNEXURES:

46. Xerox copy of Approval letter September'2008 of Approved Mining Plan and the Approved Scheme of Mining dated 09/06/2016 have not been enclosed.
47. Xerox copy of DGPS Survey report have not been submitted.
48. Xerox copy of Certificate of association of company have not been enclosed.
49. Copy of Land Schedule not submitted.
50. Copy of P.L. Deed with Map applied by the Lessee may be enclosed as mentioned at page 68, Para 8.3.1 of the Text may be enclosed.
51. Annexure VII: Feasibility Report :-(i) Instead of Lease expiry on 27/02/2041, Lease to be extended upto 27/02/2061 as per MMDR(Amendment)Act,2015 may be written.
(ii) Page 5, Para 4.1.1 (Bench Dimension) :- Crushing unit at the Cement Plant has been stated, which is not correct.
(iii) Page 6,Para 4.1.1 :- Haul Road Gradient has not been mentioned.
(iv) Page 6, Para 6.0.0:- Complete address and Capacity of the Steel/Sponge Plant at Distt. Ramgarh , Jharkhand State may be given.
(v) Page 7, Para 7.1.1:- Name and Number of State Highway is not correct.
(vi) Page 9,Para 9.2.0(Mine Closure Plan and Reclamation Plan):- (a)In the Second para ,instead of next plan period, current plan period ,may be written.(b) It has been stated that 0.61ha. excavated area will be backfilled by Subgrade Ore is not correct. Subgrade may be utilised for blending.
(vii) The Chapter, "Others like Tribal Affairs and Legal Factors" have not been discussed.

C. PLAN & SECTIONS

1. CCOM Circular No.02/2010 has not been complied. DGPS Surveyed Map authenticated by the State Govt. has not been submitted.
2. Key Plan (Plate no.2) (i) Wind Rose Diagram has not been given.
(ii) Approach Road from State Highway upto the Lease area have not been shown prominently using colours.
(iii)Village boundary and its Population within 5Km. radius of the lease area have not been shown.
(iv) Road and Railway going towards Jamda and Chaibasa have not been shown.
(v) Forest Density has not been shown.

- (vi) Predominant Wind direction has not been shown.
 - (vii) Adjoining Lease area of Smt. Mala Ray has not been shown.
 - (viii) Air, Noise & Water Monitoring Station have not been shown.
3. Surface Plan (Plate no.4):
- (i) Old Quarry (Q-6) worked by earlier Lessee between Pillar No.1 and 3 partly outside and partly within the lease have not been shown as shown in the 1st Mining Plan approved on 23/09/2008.
 - (ii) Old Quarry no.5 near Pillar no.6, partly within and partly outside the lease area has not been shown.
 - (iii) Old Quarry no.7 on the eastern side of Pillar no. J within the lease area have not been shown.
 - (iv) Three Ground Control Points (GCP) and their Latitude & Longitude have not been given. The GCP chosen should be Permanent in nature.
 - (v) Mining Lease area of Smt. Mala Ray on the Eastern side of Boundary line L-M has not been shown.
 - (vi) Name of Kantoria Nala, a tributary of Betlata Nala has not been written.
 - (vii) All the plan and sections should be modified accordingly.
4. 1st to 5th year Development Plan(Plate no. 7A to 7E)
- (i) Old Quarries no. 5,6,7 have not been shown.
 - (ii) Instead of 1st year, 2nd Year.....etc. Year 2020-2021, 2021-22, 2024-25 may be written.
 - (iii) Proposed plantation with number of plants may be given in the index.
 - (iv) Ultimate Pit Limit has not been shown.
 - (v) The proposed Waste Dump as per Plate No.8 has not been shown.
 - (vi) Parapet wall, Garland Drain & Settling Tank etc. have not been shown.
5. Waste Dump and Subgrade Stack (Plate No.8):-
- (i) Along the Section Line B-B'(West -East) the colour shown for dumping during 2024-25 is not matching with the colour shown for Waste dump.
 - (ii) This plan and Section may be modified as per scrutiny no. 30 of the Text.
6. Environment Plan (Plate No.11):
- (i) Check dams of appropriate size, gradient and length shall be constructed around the overburden dump to prevent run off water and flow of sediments directly into Betlata Nallah and other water bodies.
 - (ii) Complete Railway line within the 500m of adjoining lease area has not been shown.
 - (iii) Name of the nala and its Flow direction has not been shown.
 - (iv) Forest with Tree density have not been shown within 500m adjoining lease area.
 - (v) Old Quarries No.5,6,7 have not been shown, partly within and partly outside the lease area as per 1st approved Mining Plan dated 23/09/2008.
 - (vi) Air, Water & Noise Monitoring Station have not been shown.
 - (vii) Mining Lease of Smt. Mala Ray has not been shown.
7. Progressive Mine closure Plan (Plate no.13):-It may be modified as per scrutiny comment no. 43 of the Text.