

SCRUTINY COMMENTS ON MODIFICATIONS& REVIEW OF MINING PLAN OF JAISINGPUR IRON ORE MINE ML. NO 2531 OVER AN AREA OF 56.00HA(AS PER CEC) IN JAISINGPUR VILLAGE, NEB RANGE, SANDUR TALUK, BELLARI DISTRICT,KARNATAKA STATE SUBMITTED FOR APPROVAL UNDER RULE 17(3) OF MCR,2016 OF M/S ASHWATHANARAYANA SINGH & COMPANY.....PRIVATE/ 'A' CAT/FULLY MECHANISED/FOREST/ NON-CAPTIVE FOR THE PERIOD....2017-18 TO 2019-20.

INTRODUCTION:

1. CEC category of the mine may be given.
2. Typographical and grammatical mistakes may be avoided in the entire document. The appropriate words may be used in the document.
3. All the headings and sub-headings should be as per the guidelines given in the Universal format.
4. The reasons for grant of lesser extent of area may be furnished at the time of grant of renewal of mining lease.
5. Page no.1:The statement regarding proposal of forest clearance for the balance area of 77.50 Ha is not clear. Therefore, the first sentence of 5th Para may be deleted.

GENERAL:

1. The production capping allocation by the Monitoring Committee /CEC is not indicated.
2. Para 3.3: Exploration: (i) The paragraph is not appropriate to the exploration. The relevant information may be given. It is stated that during 2017-18, 6 RC boreholes have been drilled, but chemical analysis report of borehole samples is not enclosed. (ii) It was observed in the mine during the inspection that even a single trial pit could not be seen and it is mentioned that these six trial pits of size 4mx4mx3m have been made during the year 2017-18 i.e., within the period of two or three months from the date of inspection. The date of pitting has not been mentioned in the text. If these pits have been made in mine, the photographs of these six trial pits should have enclosed. (iii) It was also observed in the mine float ore/ wash offs were found along slopes from the dumps at higher elevations. Therefore it is advised that the reserves of float ore estimated in the last valid document may be retained. The estimation of washoffs available may be made under proved reserves as per UNFC with feasible chemical analysis results in the interest of conservation of mineral and then the proposals may be given for extraction of ore. A copy of necessary analysis report and photos may also be enclosed.
3. In Review of Exploration at Table 6 it is indicated that against the target of 2 RC boreholes, 6 RC bore holes has been drilled. Therefore, deviation would be +4 and not +6. Similarly deviation in respect of Production and Development as indicated in Tables 10 & 11 should be considered with reference to 2016-17 only as 2017-18 to 2019-20 are yet to be completed.
4. Para 3.6: The paragraph may be given with specific reasons and justifications thereof for seeking the modifications in the approved modified mining plan.

PART-A

1. Para 1 (c): The strike and dip of the ore body may be mentioned clearly.
2. Para 1(d)(iv): Year-wise details of exploration carried out and expenditure incurred may be furnished.
3. Para 1(e)(i): This para including the Table no.13 may be deleted as no pits are observed in the field.
4. Para 1(e)(ii): The diameter of boreholes and inclination may be furnished.
5. Para 1(h) : The location of the proposed trial pits in Table no.17 is the same as the locations of trial pits already done as per the Table no.9. It appears that no trial pits have been dug. Hence, these are proposed for future exploration programme. This may be justified. The total mineralised area & non- mineralised area and also the area to be explored and already explored may be furnished. The area covered under the future proposed exploration programme may also be given. In Table no. 19, the dimension of the trial pits have been changed as 5mx5mx4m .The correct dimensions may be given.
6. Para 1(k): In table -21, the last column may be corrected and similarly in all relevant places.
7. Para 1(l): In the Table no. 28, the total quantity of float ore may be given correctly. The reasons may be mentioned for enhancement of reserves/resources of reef and float ore with justification, when the action exploration was not undertaken/carried out in the mine/ML area.

MINING:

1. Para 2(A) (a): The existing and proposed method of excavation may be mentioned with clarity. The existing number of pits, their sizes, top and bottom RLs etc. should be indicated.
2. As no top soil will be generated during the period of mining, Table no. 42 may be deleted.
3. Para 2 (A) (b)(ii):The dump re-handling paragraph may be deleted.
4. Para 2 (A) (c): The calculations pertaining to drilling, blasting, powder factor, requirement of tippers and excavators are to be re-examined.
5. Para 2 (A) (f): The conceptual plan chapter may be revised/ reconciled based on the proposals given in the PMCP and R&R.
6. Para 3(b): The information given in the 2nd para may be placed under para 3(a).
7. Para 4(a) (i): Asno top soil will be generated during the period of mining, this para may be deleted.
8. Para 4(c): The detailed proposals for protective measures may be furnished.
9. Para 6(g): The specific information is to be furnished indicating quantity of water required for mining and processing along with water balance chart.
10. Para 8.2(iii): A few water quality monitoring stations may be established at the check dams.
11. Para 8.3: The information on area,number of saplings along with survival rate may be described.
12. Para 8.3.1: The relevant information may be furnished under this para as per the guidelines.

13. Para 8.3.2: The appropriate information may be given.
14. Para 8.3.5: Year-wise proposals on dump management may be reviewed and furnish the correct information. Existing mining practices viz., Dimensions of working pits, bench parameters overall and individual pit slopes, dump configuration and existing slopes etc. should be discussed in this para. Proposed excavations are also to be discussed in similar manner. Further, the slope of faces, direction of advancement, approach to the faces, specification of roads etc. and also the existing dump, spread parameter, height, slope protection work etc. Bench wise, MRL wise, opening reserves, exploitation and closing balance should be furnished.
15. Para 8.6: Under this heading the rule for submission of Financial Assurance may be mentioned correctly as per MCDR, 2017.

PLATES:

1. In all Plates the title blocks should be indicated as per Standard format.
2. Location Plan (Plate no. 01): All the approach roads leading to the lease area, be marked prominently.
3. The proposed trial pits and core boreholes/DTH boreholes are to be shown in the Geological plan as well as in the geological sections with distinct identification colours.
4. Surface Plan (Plate No.03) and Geological plan (Plate No.04): The old float ore workings may be shown as it is on ground clearly instead of showing as virgin area.
5. Surface Plan (Plate No.03): The active dump is not shown in the surface plan though the mine is in operation since 27.2.2016.
6. Production & Development For the year 2017-18: Plate No.6(A): The development/production proposed for the year 2017-18 is not indicated in the plan and also the notation used for present working locations are not clear for immediate reading of the points should be addressed as per the scrutiny remarks given in the mining chapter to be followed.
7. Conceptual Mining Plan (Plate no. 8): Proposals under Conceptual Mining Plan should be restricted up to 2019-20. The plan and section should be prepared and submitted in a way to present, what would be position of workings, waste dumps, stacks, afforestation and other infrastructure, etc.
8. Environment Management Plan (Plate no. 10): Few water monitoring stations may be proposed at the collection points of the check dams. Environmental Management plan should show the year-wise progress of waste dump, the garland drain, proposed R & R work, afforestation and other parameters enumerated in the text part.
9. Financial Area Assurance Plan (Plate no. 12): Only outlines of the proposed mine working, dumps, stacks, etc. covering all the items with their respective areas under the financial assurance table 70 (Ref. Para 8.6) at the end of F.Y. 2019-20 in different colour should be shown in this plate.

ANNEXURES:

1. Annexure XXIII: The feasibility report is to be signed by the lessee/ Qualified person.
2. Annexure XIX: The details like date of commencement of work, date of submission of form-J and name of the Manage/Geologist/Mining Engineer who is submitting etc. are missing in Form-J.

3. Copy of Production allocation from Monitoring Committee/CEC should be attached.
