

**SCRUNITY COMMENTS ON THE DRAFT MODIFICATION TO THE APPROVED MINING PLAN IN RESPECT OF BHADRA IRON ORE MINE, OVER AN EXTENT OF 130.53 HA, SUBMITTED BY M/S JSW STEEL LIMITED, SITUATED IN ITTANAHALLI, VILLAGE SANDUR TALUK, BELLARY DISTRICT OF KARNATAKA STATE**

*The final submission of Text, Annexures and Plates both in soft and hard copies are to be done specifically in accordance with IBM Circular no. 1/2021 and FAQ on the Mining plan template published at IBM website following both in toto. The final copies submitted should be digitally signed by the Qualified person and the Nominated owner.*

**COVER PAGE**

1. The Period of proposal should be corrected as "2021-22(From October-2021 to March-22) to 2023-24.

**INDEX**

2. i) Part-A to be also mentioned in the heading above the "Index". Part-B to be also mentioned in List of Annexures.

**CHAPTER-1-GENERAL INFORMATION(Pg. 1-5)**

3. Para 1.1.2-Mining Plan submission Criteria details-(Pg-2)- i) Annexure-25 referred in this Para have not been numbered accordingly in list of annexures. Also, the certified true copy of Annexure-31 translated in English to be Enclosed.

ii) It was observed during site inspection that the Exploratory drilling has also not been carried out as per the approved proposals for the year 2020-21. Accordingly, as submitted in the compliance letter dated 08.10.2021 to this office, it is to be mentioned in the reasons for modification" ***The exploratory drilling proposals have not been completed as per the proposal for the year 2020-21, accordingly the revised exploratory proposals have been worked out to bring the entire potentially mineralized area into G-1 level of exploration and thereby complying with the exploration backlog in the plan period 2021-22(Oct-21 to March-22) to 2023-24.***

ii) The period from which modification is proposed to be corrected as 2021-22(From Oct-21 to March-22) to 2023-24.

4. Para-1.3.4.5-CEC details (Pg-4)- '1.5 million tonnes' to be corrected as "1.44" as per the enclosed CEC Letter in Annexure-26.

5. Para-1.3.6- Owner/Nominated Owner Details-(Pg. 5)- The Board Resolution nominating the Owner attached with the document is of 19<sup>th</sup> July 2009. The latest copy of the minutes of Board Resolution nominating the Owner under the Mines Act 1952 /The Occupational safety, health and working conditions code 2020 and Mines and Minerals (development and Regulation) Act 1957 and rules made there in should be enclosed and details in this section should be given accordingly.

**CHAPTER-2-GEOLOGY AND EXPLORATION (Pg. 6-26)**

6. Para- 2.14.3- Lithology, Petrographic & Mineralogical Description for Major, Associated & Indicator Minerals-(Pg.8-10)-i) Pg-9- Block 1 & 2 to be corrected as "Block-2".

7. i) Para- 2.2.1.9-Sampling-(Pg-13)- Location of sample in Latitude and Longitude (**Borehole extent location**) to be given in the table. Also, the Annexure reference is mentioned as Annexure-12, which is not matching with the list of annexures. The same should be corrected in the text and annexure.

ii) Para-2.2.1.10-Chemical Analysis-(Pg-13) The chemical analysis report is not enclosed in Annexure-13 as mentioned in this Para. As per the format the chemical and mineralogical analysis report is to be added in Annexure-12. The same should be added accordingly as per format as Annexure-12.

iii) Para 2.2.1.13- Bulk density-(Pg. 13-14)- The NABL certification of the laboratory along with the scope of test works for the lab, which includes Bulk density testing has not been enclosed in Annexure-9. The same to be enclosed.

8. Para 2.2.5-Future Exploration Proposal-(Pg-25-26)-i) Para-2.2.5.1-Geological Mapping- (Pg-25)- Under the year column specific year 2021-22(From Oct-21 to Mar-22), 2022-23 & 2023-24 to be mentioned and Geological mapping proposals to be given accordingly.

ii) Para 2.2.5.5-Exploratory Drilling (Pg-26)- a) The Sl. No under heading core/non-core drilling to be corrected as "**2.2.5.5.1**". Under para 2.2.5.5.1, specific year 2021-22(From Oct-21 to Mar-22), 2022-23 & 2023-24 to be mentioned in the table and drilling proposals to be given accordingly. The Exploratory drilling quantity have not been assessed correctly to bring the entire potentially mineralized area to G-1 level of exploration. The current plan & section(Plate-3A & B & Plate-4A&B) indicates that the boreholes proposed are not sufficient at different sections of both Block-2 & 3 to upgrade the entire G-3 & G-2 area to G-1. At each section the boreholes required for upgrading the G-3/G-2 area to G-1 thereby establishing both lateral and vertical continuity of ore body to be worked out thoroughly and exploratory boreholes should be proposed accordingly, so that G-1 level of detailed exploration over the entire lease area is completed in the plan period in accordance with Rule 12(4) of MCDR 2017 and additional condition(Clause 11) of Lease deed. The exploratory boreholes should be worked out and proposed accordingly in the current plan period, so that Reserve/Resource review and re-assessment can be done for the entire lease in the upcoming plan period in accordance with **Minerals (evidence of Mineral contents) Rules 2015.**

b) It has been observed that non-core drilling has been proposed in mineralized zone also. Core Exploratory drilling to be proposed in mineralized zone for maximum recovery and proper borehole logging and chemical analysis in accordance with Minerals (evidence of Mineral contents) Rules 2015.

c) Table under Para 2.2.6.5.1 should be corrected accordingly. The corrections to be also incorporated in all related plates and annexures.

iii) Para 2.2.5.7-Sampling-(Pg. 26)- The sampling details of the proposed exploratory boreholes in accordance with Minerals (evidence of Mineral contents) Rules 2015 and corrections as mentioned above in scrutiny comment no 8(ii) to be incorporated. The sample location extent may be given under Latitude and Longitude column of the table.

#### **CHAPTER-3-MINERAL BENEFICIATION/PROCESSING (Pg. 27-31)**

9. Para 3.3- Crushing Section-(Pg. 27-31)- i) Para 3.3.2- Secondary Crushing (Pg-27)- Under the Product size column, 10-40 mm and 0-10 mm products are to be mentioned.

#### **CHAPTER-4-MINING OPERATIONS (Pg. 32-46)**

10. Para 4.2-Operational Parameters-(Pg-33-37)-i) Para 4.2.1.1-Pits- 2.0- (Pg. 33)- The area covered by Pit(Block 2 & 3) to be given as per the latest survey data.

ii) Para 4.2.1.2.1-Dump details-(Pg-32)-i) The Area covered by dump, Height of the dump etc. for inactive dumps have not been given correctly. This should be given as per Pg. no 87-89 of the last approved document. For active dumps(AD-1 & Temporary dump), relevant details should be given as per the latest survey data and total area should be in line with the waste disposal area as reported in AR 2020-21.

iii) Para 4.2.1.3- Details of Stabilized dumps-(Pg-33)- Inactive dump, ID-6 to be included in the table. The no of terraces, average height of terraces has not been mentioned in the table. The same is to be given as per Pg. 65-67 of the last approved document.

iv) Para 4.2.2.1- Bench Parameters-(Pg-34)- a) For the year 2021-22, the details to be given for the period, from Oct-21 to March-22.

b) **The integrated slope stability report for mine pit and waste dump to be enclosed based on which the mine design parameters (Bench height, Bench slope angle, overall slope angle etc.) are mentioned.** If the slope stability study for the mine has not been conducted then the same should be initiated from Govt. agencies to assess the overall Geotechnical stability condition for the mine and dump. In the text it should be mentioned accordingly in remarks that the slope stability study will be conducted at the earliest and the report will be submitted to IBM once the study is complete. The supporting documents in such case regarding initiating of slope stability may also be attached as annexure and reference to be given under the para. Also, the bench height, width, Slope angle of haul roads should be checked w.r.t Clause 2.0 & 5.0 of 106(2)(b) permission of DGMS attached as Annexure-29. The DGMS permission mentions haul road gradient not steeper than 1 in 16 and also for width of benches the applicable condition to be checked.

c) The "Year-wise development & production section, plate reference to be corrected as 6C(A), 6C(B) and so on.

v) Para 4.2.2.2- Year wise opencast development-(Pg-35)-a) For the year 2021-22, production may be proposed on pro-rata basis from Oct-2021 to March-2022 after depleting the actual production for the month of April, May, June, July, Aug and Sep-21 from the proposed per annum annual production. Also, the proposed per annum Annual production should be within the CEC permissible limits. The corrections to be incorporated in all relevant portion of text, tables, annexure and plates.

b) **The Bench ID has not been given correctly in the table of above para. Also, in Production and development calculation sheet-Annexure 30 doesn't mention bench mRL details. Pg. no 49-58 of the last approved document may be referred and the production and development detailed calculation sheet to be prepared in same line including level (bench MRL).** The corrections to be incorporated in Annexure-30 accordingly. Also, the Bench details to be given in the table, accordingly as per corrected Annexure-30.

c) The calculation for the year 2023-24 at Section S15-15' to be checked for iron ore. The iron ore volume is coming as '40110 Cum'~120330 tons. Also, in plates the sections for Block-3 are demarcated as SS1-1' and so on, where as in annexure it is mentioned as S1-1'. The corrections to be incorporated in detailed production and development sheet-Annexure-30 accordingly.

d) The corrections to be incorporated in table under this para, related annexures & Plans & sections accordingly.

11. Para 4.3-Material Handling Summary-(Pg-36)- The Slope stability report of the mines may be attached as Annexure and reference to be given in this Para. If the study has not been conducted, action should be initiated for conducting the study and details to be given as mentioned above in scrutiny comment no 10(b).

ii) Para 4.3.2-Insitu Mining-(Pg-37)- The corrections to be incorporated in the table under this Para as per the above scrutiny comment no 10(v) for Para 4.2.2.2. Also, proper plate reference for production and development sections for individual year should be given, as the current plate references given are not correct.

iii) The corrections to be made in all year-wise production & development plans & sections.

- iv) Para 4.3.4-Calculation Summary-(Pg-38)- The corrections to be made in the table as mentioned above. For the year 2021-22, the related figures to be given for Oct-21 to March-22.
12. Para 4.4-Machine Calculation (Pg-38-40)-i) Para 4.4.2- Shovel/Excavator Requirement (Pg-39)- The total Hours(H) has not been calculated correctly in the table. The total hours comes (312\*2\*6.5=4056 hrs.) whereas it is mentioned 3120 hrs. The corrections to be incorporated in all relevant portion of the table. The capacity of the shovel to be selected as per the available equipment in the mine and the machinery details as given in AR 2020-21. The availability percentage has not been mentioned. Stand by excavator(L) should be calculated mentioning the availability percentage.
- ii) Para 4.4.3- Dumper Requirement (Pg-40)- The "Total Hours have not been calculated correctly as mentioned above. Also, Yearly handling by one dumper have not been calculated correctly. This is to be checked and corrections to be incorporated in all relevant portion of the table. The capacity of the dumper to be selected as per the available equipment in the mine and the machinery details as given in AR 2020-21. Stand by Dumpers should be calculated mentioning the availability percentage.
- iii) Para 4.4.4-Drill Machine Requirement(Pg-40)- The no of drills to be calculated separately for ore and waste as the bulk density is different. The yield per hole to be calculated correctly (Spacing\*Burden\*Depth of hole\* Bulk density). The Yield per hole and yield per meter is to be calculated correctly excluding the subgrade drilling meterage i.e., taking the depth of hole 8m only. Annual target to be assumed mentioning the percentage of tonnage of material requiring drilling & blasting. The Stand by drill should be calculated mentioning the availability percentage. The drill capacity to be selected as per the available equipment in the mine and the machinery details as given in AR 2020-21.
- v) Para 4.4.5-Machine Deployment details (Pg-41)- The dumper details to be also given in table 4.4.5.1. The details of the machinery (nos. & capacity) given under Para 4.4.5.1; 4.4.5.2 & 4.4.5.3 should match with the details of machineries as reported in AR 2020-21.
13. Para 4.5-Blasting Requirement(Pg-41-42)- i) Para 4.5.2-(Pg-42)- Under the column "Total ROM proposed to be handled in Cum/annum" – **30 % of max ROM quantity handled in Cum per annum** to be considered, as same has been considered for drilling in previous Para 4.4.4.
14. Para 4.6- Manpower deployment (Pg-42-44): -The Sl.no and heading under this Para to be corrected. After Para 4.6.5, Para 4.6.6-(Others Specify) to be added as heading. Accordingly, S.I. no of Para 4.6.6 & 4.6.7 to be corrected as 4.6.7 & 4.6.8. The excel template as published in FAQ may be referred.
15. Para 4.7-Waste Management (Pg-44)- i) Para 4.7.1-Existing Dump (Pg-44)- All corrections to be incorporated in the table as per above scrutiny comment no 10(ii).
- ii) Para 4.7.2-New Dump(Para 45)- The dump height given under the table of this para is not matching with the waste dump section given in the respective production & development plan for the year (5C, 5D,5E- A & B). Also, in Dump Location the extent co-ordinates of the respective dump are to be given for the individual year (From & to UTM co-ordinates). For the year 2021-22, the details to be given from Oct-21 to March-22. The corrections to be incorporated in the table and related Annexures & Plates accordingly. ***As per the standard EC condition (35), the slope stability study needs to be carried out if the dump height exceeds 30m.***
- CHAPTER-5-SUSTAINABLE MINING (Pg. 47-52)**
16. Para 5.1- Sustainable Mining and SDF Implementations in compliance of Rule 35 of MCDR 2017(Pg-47)- It is mentioned "2021-22(Aug-21 to March-22) to 2023-24 " which should be corrected as "**2021-22(Oct-21 to March-22).**
- CHAPTER-6- PROGRESSIVE MINE CLOSURE PLAN (Pg. 53-61)**
17. Para 6.1-Status of Land-(Pg.53)- i) The Area under mining operation (in ha) and area under dumps (in ha) should be given as per the latest survey data as per the above scrutiny comment no 10. This may also be checked w.r.t the land use reported in AR 2020-21 and should be in line.
18. Para 6.2-Progressive Reclamation and Rehabilitation Plan-(Pg-49-54)-i) Para 6.2.2.1(Pg-53-54)-Preparation for Ground water Recharging- For the year 2021-22 it should be mentioned from Oct-21 to March-22.
- ii) Para 6.2.2.2-Protective Measures-(Pg-54)-For the year 2021-22 it should be mentioned from Oct-21 to March-22. All the protective measures like Retaining Wall, Garland drain etc. for both active and inactive dumps inside the lease area for Block-1,2 & 3 should be reviewed w.r.t the R & R plan and the portion which has not been completed should be proposed in the Plan period. All the Protective measures should be clearly demarcated on the PMCP plan & also year-wise production and development plan.
19. Para 6.2.3-Greenbelt development-(Pg-54-55)-i) Para 6.2.3.2-Year wise Proposal (Pg-50)- As per Standard Conditions of EC(41 & 42)- "**7.5 m wide safety zone all along the mine lease boundary shall be developed within first 5 years starting from wind ward side of the active mining area**". The density of the trees should be around 2500 saplings per Hectare. Also, adequate budget provision should be made for protection and care of trees. The Year-wise proposal for the plan period 2021-22(Oct-21 to March-22) to 2023-24 to be given accordingly

and should be clearly demarcated on the Reclamation & Rehabilitation plan & also year-wise production and development plan

20. Para 6.2.6-Recreational Facility-(Pg-56)- Para 6.2.6.3-(Pg-56)-Year 2021-22 to be mentioned as "Oct-21 to March-22
21. Para 6.2.7-Dump area stabilization & Development-(Pg-57)- Year 2021-22 to be mentioned as "Oct-21 to March-22.- Details to be given under this para as per scrutiny comment no 18, for the previous para 6.2.2.2. For the Proposed Temporary Dump(PTD)-the Dump id, no of terraces and average height of terraces details are not given, the same is to be mentioned in the table as per the production and development plan of the respective year.
22. Para 6.2.8.2-Year wise proposal- (Pg-57)- Year 2021-22 to be mentioned as "Oct-21 to March-22".
23. Para 6.2.9-Topsoil Management(Pg-57) & Para 6.2.10-Tailings Dam Management(Pg-58)- Year 1,2,3,4 & 5 in table under Para 6.2.9.2 & Para 6.2.10 to be replaced with "2021-22(Oct-21 to Mar-22), 2022-23 & 2023-24.
24. Para 6.2.11- Land use of Lease area at the expiry of Lease period (Conceptual stage)- (Pg-58)- The active waste dump (AD-1) terraces established and height (mRL) attained till conceptual stage have not been shown on the conceptual plan. AD-1 waste dump position to be demarcated on conceptual plan including no of terraces and the height attained taking into account the waste generated till conceptual stage and the amount that will be consumed for backfilling in line with R&R plan recommendation.
- ii)The conceptual plan should also include undertaking of re-grassing of the mining area and any other area which may have been disturbed due to mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. in accordance with the order of Hon'ble Supreme Court dated 08.01.2020.
- iii) All the above corrections should be incorporated in Conceptual plan & Section.

#### **CHAPTER-7- FINANCIAL ASSURANCE/PERFORMANCE SURETY (Pg. 59-61)**

25. i)Para 7.1-(Pg-59-60)- The existing land use for the period 2021-22 should be as per the latest survey, and as updated in the surface plan. Year 2021-22 to be corrected as "From Oct-21 to Mar-22. **The existing land use and the land use as reported on 1.04.2021 in AR 2020-21 should be in line. Under the Infrastructure heading along with workshop, administrative building, DHPC should also be mentioned.**The corrections to be incorporated in Financial Area Assurance Plan (Plate no 11) accordingly.

#### **CHAPTER-8- REVIEW OF PREVIOUS PROPOSALS (Pg. 62-72)**

26. i)Para 8.1.1-Lease area utilization (Pg-62)- The Actual area utilized in the proposal period should be updated as per the latest survey data as mentioned above in scrutiny comment no. 25.
- ii)Para 8.1.2-SDF and CSR Expenditures- (Pg-63)- Under Reasons for deviation "No Mining Work" mentioned should be corrected as "Not applicable".
- iii)Para 8.2.1-Exploration-(Pg-63)- For the year 2021-22, the review of the proposals to be made till Sep-2021. It was observed during site inspection that the exploratory drilling of the area has not been completed till date as per the last approved proposals, Accordingly, it should be mentioned "Nil" under achievement and the measures taken in this modification to the approved mining plan is to be mentioned.
- iv)Para 8.2.2-Mine Development-(Pg-64)-a) Para 8.2.2.1-(Pg-64-68)- For the year 2021-22, the review of the proposals to be made till Sep-2021. The actual figures should be as reported in Annual return and Monthly Return of the corresponding year/period.
- b) **The relevant unit (tonnes/cum/nos./hectares etc.) should be specifically mentioned under each relevant rows of the para.**
- c) \*Under the Row "**Dumping Site for Surface**-Separate nomenclature i.e., AD-1 and PTD for Block-2 & 3 year-wise to be mentioned and proposed area for dumping in hectares and actual achievement year-wise to be reviewed. The proposed area for dumping has not been given correctly for the corresponding year. The proposed area is to be given in hectares (Ha.) referring Pg. no 39 to 41 of the last approved document and the actual achievement to be given as per the latest survey and waste dump area as reported in Annual Return of the corresponding year.
- \*Under the Row "**Dumping Site of waste/overburden**" the actual dumping extent (Northing & Easting co-ordinates) to be reviewed w.r.t the approved proposal. It was observed during site inspection that the dumping in Block-3 at southern extent of Proposed Temporary dump (PTD) along Sec B-B' was not carried out as per the approved proposal. Accordingly, the deviation for PTD to be mentioned and measures taken in in this modification to the approved mining plan to rectify the same isto be mentioned.
- d)Para 8.2.2.2-Excavation-(Pg-67)- The proposed extent(Northing and Easting Co-ordinates) for the year 2021-22 have not been mentioned correctly. Pg. no 62 of the last approved document to be referred and details to be given accordingly. It was observed during site inspection that the development for southern portion of Block-2 i.e., from Sec S3-S3' to S6-S6' was not carried out as per the approved proposal. The actual co-ordinates under

achievement may be mentioned accordingly and measures taken in in this modification to the approved mining plan to rectify the same is to be mentioned.

v) Para 8.2.6-Production of Minerals-(Pg-69)- For the year 2021-22, the review of the proposals to be made till Sep-2021. The unit should also be specifically mentioned under relevant row under this para.

vi) Para 8.2.8-Environmental Compliances-(Pg-70-71)- For the year 2021-22, the review of the proposals to be made till Sep-2021. The unit should also be mentioned under relevant row of this para. The proposed figures for Retaining Wall and Garland drain have not been mentioned correctly. It is to be given as per the last approved document. It was found during inspection that construction of 286 m Toe wall (TW-8) and 291 m garland drain (GD-8) has been proposed for proposed temporary dump (PTD) at Block-3 against which no work was carried out. The actual figures under achievement may be mentioned accordingly and measures taken to rectify the same is to be mentioned. The actual figures should be as reported in Annual PMCP report and Annual Return for the corresponding year. The latest environmental monitoring report reference to be also given under this para.

## 27. CONSENT LETTER/UNDERTAKING/CERTIFICATE FROM THE APPLICANT

i) The Consent letter /undertaking/certificate from the applicant- The Consent letter is to be enclosed with the "Text" and should be digitally signed by the Nominated Owner. The consent letter attached as annexure-7 is not digitally signed by the Nominated owner.

ii) Certificate- The Certificate from QP is also to be enclosed with the "Text" and should be digitally signed by the Qualified Person. The certificate from QP attached as annexure is not digitally signed by the Qualified person.

## 28. PART-C, PLANS & SECTIONS:

a) **All hard copy plan submission should be output of Auto-cad and soft copies submission should be output of KML/KMZ/SHP format.** The soft copy of the auto-cad plans, may also be submitted. All sections submission should be in dwg. Format (Auto-cad output). All the boundary pillars along with 7.5 m safety zone all along lease boundary have not been demarcated in some of the KML plans. **The mine lease boundary with all pillars and 7.5 m safety zone all along the lease boundary is to be specifically demarcated in all KML plans also.**

b) It should be ensured that all attached plans & sections are prepared as per the content & scale specifications, of Rule 31 (General requirement about Plan & Sections) of MCDR 2017 & IBM Circular no. 1/2021. All plans and sections should be signed with date by certified surveyor, Qualified Person, Geologist, Mining Engineer as per provisions of MCDR 2017.

c) Surface Plan (Plate No-2A & 2B): The surface plan to be updated as per the latest survey as already mentioned in the Mining operations Chapter (4.0). The KML file of surface plan to be also updated/corrected accordingly.

d) Geological Plan (Plate no. 3A & 3B): 1) The plates should be checked and all corrections to be specifically incorporated as per the aforementioned scrutiny comments of Geology and Exploration chapter (2.0). The plate should incorporate all lithological units in the area, already drilled boreholes, proposed boreholes for the plan period, structural details like dip, fold, fault etc. if any, contour interval not more than 10m, the area covered under different explorations limits G1, G2, G3 to be clearly demarcated and area to be mentioned in plate. The section lines at regular interval from one boundary of the lease to the other based on which Geological sections are prepared. The Plan should be submitted showing different colour codes for i) Lithological/Geological occurrence ii) Area under G1, G2, G3 etc. The KML file of Geological plan to be also updated/corrected accordingly.

2) Geological Section (Plate No. 4A & 4B)- The plates should be checked and all corrections to be specifically incorporated as per the aforementioned scrutiny comments of Geology and Exploration chapter (2.0). The section should be submitted with different colour code depicting all the features as shown in surface geological plan.

e) Production & Development Plan (Plate No. 5C-5E): i) These plates should be corrected as per the aforementioned scrutiny comments for Geology & Exploration (2.0), Mining operations (4.0), Progressive Mine Closure plan (6.0) & Financial Assurance/Performance security (7.0) chapters. The Year-wise production and development plan should be as per the corrected Year-wise Production and development sheet enclosed as Annexure-30.

ii) **The benches at 872 mRL, 864 mRL etc along pillars LBC-6, LBC-7, LBC-8 have not been connected properly as per mRL in the production and development plan. Also, safety zone of 7.5 m is seen overlapping with the workings proposed along these pillars. The proposal of bench development systematically mRL wise & connecting with the old benches as per bench mRL should be worked out. Also, the ramps/haul road for access to the mine pit and waste dump have to be demarcated on each year production & development plan for Block-2 & 3. All the workings to be proposed beyond 7.5 m safety zone within the lease.** The corrections to be incorporated in each year production & development plan accordingly.

- iii) The environmental protective work proposed year wise should also be demarcated year-wise along with index as per the PMCP chapter (6.0).
- iv) The KML files of production and development plan to be also corrected accordingly
- f) Production & Development section (Plate No6C-6E)- The corrections should be incorporated in the individual year section as per the respective production & development plan as mentioned above in scrutiny comment no (e).
- g) Progressive mine closure plan (Plate no 7): All corrections to be incorporated as per the PMCP Chapter (6.0) and related scrutiny comments of other chapters. The year-wise proposed PMCP measures like afforestation etc. have not been depicted with different color code. All the proposed PMCP measures for the plan period 2021-22(Oct-21 to March-22) to 2023-24 should be demarcated with different color code. The KML file of PMCP plan to be also corrected accordingly.
- h) Progressive mine Closure sections (Plate no 8)- The corrections should be incorporated in the Progressive mine closure section as per the respective Progressive mine closure plan as mentioned above in scrutiny comment no (g)
- i) Conceptual Plan (Plate No 9)-All the corrections to be incorporated as per the aforementioned scrutiny comment no 24. The benches development as proposed in individual year wise production & development plan along Pillars LBC-6,7 & 8 and as proposed at conceptual stage are not matching. This is to be checked and corrected. The benches development as proposed in the individual year-wise production and development plan should be in line with the benches development proposed till conceptual stage in the conceptual plan. The KML file of conceptual plan to be also corrected accordingly
- ii) Conceptual Sections (Plate no 9A & 9B) may be corrected and furnished separately accordingly.
- j) Environment Plan (Plate No 11): The corrections to be incorporated as mentioned above and as mentioned in scrutiny comments of different chapters. The KML file of Environment plan to be also corrected accordingly
- k) Key Plan (Plate No.13): The Environmental monitoring stations with code have not been marked on the plan although shown on the index. The same should be mentioned on plan.
- l) Financial Area Assurance Plan (Plate no. 14): This plate should be corrected in accordance with the comments for Financial Assurance/Performance Surety Chapter (7.0) (Scrutiny comment no 25)& scrutiny comments no (e) above for production & development plan. The Financial assurance table given in plate should also be corrected accordingly and all the area shown in the table should be distinctly demarcated on plate and indexed.
- m) Consolidated production & development plan (Plate no 15)- All corrections to be incorporated as mentioned above in scrutiny comment no (e) for production & development plan
- n) **All the Plans & Sections should be placed serially in a proper bound folder with heading "Part-C" as per the format. The list of plates should be mentioned accordingly in the text and the cover page of the folder.**

29. **PART- B, ANNEXURE:**

- a) All the annexures as mentioned in above scrutiny comments of different chapters to be enclosed. Also, corrections in the annexures, as mentioned above in scrutiny comments of different chapters to be incorporated and corrected annexure to be enclosed.
- b) Annexure-4-The latest copy of the resolution of Board of Directorsnominating the owner should be enclosed as per above scrutiny comment no 5.
- c) Annexure-7- The Consent letter should be digitally signed by the Nominated Owner.
- d) Annexure-9- The NABL certification of the laboratory along with the scope of test works for the lab, which includes Bulk density testing has not been enclosed. The same is to be enclosed.
- e) The Chemical and Mineralogical analysis report to be enclosed as Annexure-12.
- f) Annexure-14- All corrections to be incorporated in the relevant sections of feasibility study as per the above scrutiny comments for Geology & Exploration(2.0) & Mining operations(4.0) chapters.
- g) Annexure-15- The Certificate by QP should be digitally signed by the Qualified Person.
- h) The Annexure number for the Hon'ble Supreme Court guidelines related to DHPC have not mentioned.
- i) Annexure-28-Details of Future Exploration-The corrections to be incorporated in this annexure specifically as per above scrutiny comment no 8(ii) of Geology & Exploration (2.0) chapter.
- j) Annexure-30-Calculations of Production &Development-The corrections to be incorporated in this annexure specifically as per above scrutiny comment of Mining Operations (4.0)chapter.
- k) Annexure-31-Letter from DCF- The certified true copy translated in English to be also Enclosed.
- l) All the annexure to be properly numbered/paged and relevant annexure to be signed by QP. The Page no range should be accordingly given in list of Annexures. All the annexures should be legible.

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