

SCRUTINY COMMENTS ON THE DRAFT REVIEW AND UPDATION OF MINING PLAN IN RESPECT OF THE UTI GOLD MINES, OVER AN EXTENT OF 6.38 HA, SUBMITTED BY M/S. THE HUTTI GOLD MINES COMPANY LIMITED, SITUATED IN UTI VILLAGE, DEODURGATALUK, RAICHUR 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.

1. Refer Minerals (Other than Atomic and Hydro Carbons Energy Mineral) Concession (Fourth Amendment) Rules, 2021 published vide Ministry of Mines, Gazette Notification G.S.R. 775(E) dated 2nd November 2021. In accordance with Sub-Rule (2) of Rule 17 of MCR, 2021 lessee has to submit the Draft RUMP 180 days before expiry of the plan period. The document has not been submitted in stipulated time. Hence, lessee needs to pay Rs.2,000/- per day penalty for late submission.

-In the instant case, the soft copy along with the complete processing fee is submitted to this office online on 26/12/2021 and it is 54 days late from the date of said Notification. You are therefore advised to pay penalty @ Rs2,000/- per day X 54 days i.e., Rs 1,08,000/- (Rupees One lakh, Eight thousand Only). The penalty may be paid by Demand Draft drawn in favour of Drawing & Disbursing Officer, Indian Bureau of Mines, Bangalore.

2. The mine is non-working since 14.03.2012. The supporting document to be furnished from the State Government, communicating the status of validity of the Lease under Rule 20 of MCR 2016 & MCR (4th Amendment) Rules 2021.

COVER PAGE (Pg-1)

3. It has been observed that the process of IBM code generation has not been initiated till date. The IBM code generation process to be done and the allotted IBM code to be mentioned in the Cover page. The name of "Qualified Person" to be also mentioned.

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4. Part-B with heading "Annexures" should be added and the specific annexure details and page no to be provided. Part-C with heading "Plans & Sections" to be also added and the specific plate no details to be provided. The Excel format of FAQ may be referred.

CHAPTER-1-GENERAL INFORMATION(Pg. 3-6)

5. i) Para-1.1- Lease details-(Pg-3)-The correction to be incorporated in Lease code details as mentioned above in scrutiny comment no 3. Under the row "Name of the minerals" -" Gold and associated minerals" to be mentioned as per the Lease deed' & Under row "Name of associated minerals"- "Nil" may be mentioned. The five-year block financial year to be corrected as 2022-23 to 2026-27. Under "Nature of use" appropriate category to be selected from Captive/Non-captive" as per the format.

ii) Para 1.1.1-Initial/ Subsequent lease grant details-(Pg-3)- The reference of the lease deed enclosed as annexure to be given. Under the grant heading "Initial grant" to be mentioned as per the available dropdown of the format. The excel sheet format of FAQ may be referred. The "From" and "to" date to be given correctly as per the valid lease deed.

iii) Para 1.1.2: Mining Plan submission criteria details-(Pg-4)-a) Under type of document "Review of Mining Plan" to be mentioned as per the dropdown options available in the format.

b) Under "Reasons for modification" & "period for which modification is proposed", "Not applicable" to be mentioned.

c) The LOI number and date should be given correctly and same should be enclosed as annexure and reference to be given. The cover page of Lease deed mentions CI 113 MMM 2007 dated 09.12.2009 & CI 49MMM 2011 dated 08.09.2011.

iv) Para 1.3.1-Approval of earlier mining plan & its subsequent review (Pg-4)- The complete details provided under the table of this para is incorrect All IBM approval letters for Mining plan to be enclosed as Annexure and reference to be given under the Para. The details under the table to be provided accordingly.

v) Para 1.3.4.1-Environmental Clearance-(Pg-5)- The validity period to be mentioned correctly and is co-terminus with the lease validity. The reference of the annexure to be given under the para.

vi) Para 1.3.4.2-SPCB Approvals-(Pg-5)- Irrelevant details have been provided under the para. The Consent for establishment has been enclosed with the document dated 24th Feb 2012 which has already expired since it was valid only 5 years from the date of issue. Also, there is no valid Consent for Operation enclosed. **The Valid Consent for operation to be enclosed with the document as annexure and details to be given accordingly under this para with annexure reference.**

vii) Para 1.3.5- Mine Location Details- (Pg-6)- The Key plan have not been prepared, the same is to be prepared and plate reference to be given under the para.

viii) Para 1.3.5.1- The DGPS Lease sketch with pillar co-ordinates approved by the State Govt. has not been enclosed in list of plates. The same may be enclosed and the pillar co-ordinates as given in DGPS Lease sketch and approved by the State Govt to be given under this Para.

ix) Para-1.3.6- Owner/Nominated Owner Details-(Pg. 6)-The Board Resolution nominating the Owner have not been enclosed. The latest copy of the resolution of Board of Directors 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. The Pan of the nominated owner and address to be added in the table as per the format. Also, a copy of the PAN of the nominated owner to be enclosed and reference to be given. Also. the annexure reference of the updated list of members of Board of Directors to be given in this Para.

x) Para-1.3.7-Qualified Persons Details-(Pg-6)-The PAN of QP to be also enclosed as annexure and reference to be given under this Para

CHAPTER-2-GEOLOGY AND EXPLORATION (Pg. 7-34)

6. ***The Lessee is required to submit the State Government and the Indian Bureau of Mines, a Geological Study Report prepared in the manner specified in the Minerals (Evidence of Mineral Contents) Rules, 2015, within***

three months after the completion of the exploration work as per Rule 12(4B) of Mineral Conservation and Development (Amendment) Rules, 2021, accordingly all the pending exploration required to be completed in the plan period. The area under different exploration limits to be reviewed both laterally and vertically and the exploratory drilling required to convert the entire mineralized area to G-1 to be worked out and proposed in the balance plan period.

7. i) Para 2.1.4.6- Nature/Form of Mineral-(Pg-13)- Appropriate options to be selected from available drop-down options Lumps/Fines/Friable/Platy/Fibrous/Powdery. The excel sheet format of FAQ may be referred.
ii) Para-2.1.4.8- Deposit type-(Pg-17-18)- The details have not been given as per the format. The excel sheet format of FAQ may be referred and details may be given in tabular format accordingly. The options available in the dropdown may be checked under the relevant and details may be furnished accordingly. The details provided under "Plunge of Mineral body" & "Direction of Plunge" to be checked and details to be provided only if the ore body has plunging else it may be mentioned "NIL".
8. i) Para-2.2- Exploration-(Pg-14-15)- The portion "To study lay.....estimated for the applied area" is not required as per the format and may be deleted.
ii) Para-2.2.1- Summary of Previous Exploration-(Pg-15)- Since no exploration is carried out in the ongoing plan period, accordingly under "Name of the agency"- NIL is to be mentioned.
iii) Para-2.2.1.2- Geological Mapping-(Pg-15)- The individual year details (2017-18,2018-19,2019-20,2020-21,2021-22(till Dec-21) to be given for both Surface and Underground Geological mapping. The area covered to be also mentioned. The Para number for "Underground Geological mapping" to be corrected as "2.2.1.2". The excel sheet format of FAQ may be referred.
iv) The Para number for "Airborne Geophysical Survey", "Geophysical Survey", "Geochemical survey" & "Underground Exploratory Mining" to be corrected as "2.2.1.3", "2.2.1.4", "2.2.1.5", "2.2.1.6".
v) Para-2.2.1.7- Underground Exploratory drilling-(Pg-16)- The Para no. to be corrected as "2.2.1.7" as per the format.
vi) Para 2.2.1.7.1- Core/Non-core drilling-(Pg-16)- The year 2021-22 to be corrected as "2021-22(till Dec-21).
vii) Para- 2.2.1.12- Bulk density-(Pg. 17)- The method adopted for calculation of bulk density to be elaborated in the Para as per the format. The bulk density study from NABL/Govt. accredited lab to be enclosed in the annexure and reference of the annexure to be given under the Para. The bulk density testing for OB to be also carried out and mentioned under the para and supporting documents to be enclosed as Annexure.
viii) Para-2.2.1.13- Area Covered under Exploration-(Pg-17)- The Para no to be corrected as 2.2.1.13. As discussed during site visit, the area under different exploration limits to be rechecked and details to be given accordingly. Lode-4 continuation have not been established at the Southern side of the Lease. Also, the non-mineralized are to be supported with some exploratory data(boreholes/trench).The corrections to be incorporated under this Para and related annexures and plates.
9. i) Para-2.2.2.1& 2.2.2.2- Geological Mapping& Underground Geological Mapping- (Pg-18)-The details of the all the previous exploration before the ongoing/last plan period to be given. Year 2020-21 as mentioned doesn't come under the "Before Last Plan Period" as per format. The "Area Covered" to be given correctly as per the format.
ii) Para-2.2.2.6- Underground Exploratory Mining-(Pg. 18)- The heading to be corrected as "Underground Exploratory Mining" per the format. There is no Adit inside the lease area as per the submitted surface plan. This may be checked further and "NIL" may be mentioned if no exploratory Adit is present.
iii) Para-2.2.2.7.1- Core/Non-core drilling-(Pg-19)-a) As discussed during site visit only the boreholes which intersects the ore body inside the Lease area both horizontally and vertically, the details of those boreholes to be only given. The boreholes which have intersected the orebody in the adjacent Lease (ML No 2126), those are not to be considered.The Litho-log and chemical analysis details of all the previous drilledboreholes accordingly as per Form-J format of MCDR 2017 may be enclosed and reference to be given under the para. The annexure reference has also not been given correctly.The **CSV/Excel sheet** of all the boreholes to be also prepared and enclosed as per the format and Annexure reference to be given.
b) All the above-mentioned boreholes to be demarcated distinctly on the Geological plan & Sections and plate reference to be also given under the Para.
iv) Para-2.2.2.7.2- Ore drive-(Pg-19)- Annexure no 11 is not complete. The complete details to be provided in Annexure and the mentioned drive with "Drive Id" to be demarcated specifically on the Geological sections & Underground plan.
v) Para-2.2.2.8- Sampling-(Pg-19)-The details have not been provided as per the format. Under type of sample appropriate options to be selected from available list of drop-down i.e., Pit/Trench/Groove/Grab/Random/Others/Check sampling etc. The sampling details of all the previous drilled exploratory boreholes and ore drive to be mentioned. Under the Latitude and Longitude, the borehole/drive extent UTM co-ordinates to be given. The excel sheet format of FAQ may be referred. The reference of Form -J to be given under this Para. The corrections to be incorporated in the table accordingly.
vi) Para-2.2.2.9- Chemical Analysis-(Pg-20)- The sample id's to be given correctly under the Para as per the Chemical analysis report.Also, the Radical grade in % to be given correctly as per the Report. The type of agency whether NABL accredited/Govt. Lab to be mentioned as per the format. The chemical and Mineralogical analysis report to be enclosed with and reference to be given under para.

vii) Para-2.2.2.10-Petrology & Mineralogical studies-(Pg-20)-Under type of sample appropriate option should be selected from the available dropdown option (Waste/Mineral). The Petrographic study report enclosed is not legible. The legible copy to be enclosed.

viii) Para-2.2.2.11-Beneficiation studies-(Pg-20)- The Para no to be corrected as 2.2.2.11. Under 'type of Beneficiation', appropriate options to be selected from the available drop-down option (Process Mineralogical study/Amenability study/Lab scale/Pilot scale/others). The report enclosed as Annexure-12(d) is not legible. Legible copy to be enclosed.

ix) Para-2.2.2.12- Bulk Density-(Pg-20)- The corrections to be incorporated as per the above scrutiny comment no 8(vii) for Para 2.2.1.12.

x) Para-2.2.2.13-Area Covered under Exploration(Pg-20-21)-a) The Para number to be corrected as '2.2.2.13.

b) All the corrections to be incorporated as mentioned above in scrutiny comment no 8(viii) for para 2.2.1.13.

c) Since no exploration is carried out in the ongoing plan accordingly under column 'Area converted to G-1 from G-2, G-3 & G-4', '% increase in G-1 area' will be nil. The Remaining area in G-2, G-3 to be calculated as mentioned above in scrutiny comment no 8(viii). **Further area to be upgraded from G-3 & G-2 to G-1 at depth, to be also specifically calculated and same should be mentioned under Remaining area in G-2 & G-3 along with the calculated average depth in accordance with Minerals (Evidence of Mineral Contents) Rules, 2015.** As per Minerals (Evidence of Mineral Contents) Rules, 2015 for auriferous quartz reefs, 'Borehole spacing along strike may be kept 50-25 m or closer interval' for G-1 stage & 'Borehole spacing along strike may be kept 100-50 m or closer' for G-2 stage.

10. Para-2.2.3-Ore Geometry Grade (Pg-21)-The Average width is mentioned as 15 m which doesn't appear so in the Geological plan. The last approved document also mentions average width as 3-6 m and strike length as 340 m(Pg-12). This may be verified. The other technical details may also be checked w.r.t the above scrutiny comments and corrections if any to be incorporated.

11. i) Para-2.2.4-Resource/Reserve Estimation method-(Pg-21-24)-No write up is required in this Para as per the format and accordingly it may be deleted.

12. i) Para-2.2.4.2- Resource calculation- (Pg-26-28)-a) **It is to be ensured that only the portion of the ore body both laterally and vertically which is inside the ML area to be only considered for Resource calculation.** 270mRL depth which is considered for Resource calculation, when ore body projected a portion goes within the adjacent Lease. It is understood during site visit that only till 2nd Level (425 mRL) it comes within the ML area. This may be checked and corrections to be done accordingly. The Level of Exploration(G-1/G-2/G-3) along with other details to be added section wise and section wise calculation to be done in the table as per the format. **The Resource calculation is to be done as on 1.04.2021.**

b) The Resource calculation is to be done in accordance with Minerals (Evidence of Mineral Contents) Rules, 2015

ii) Para-2.2.4.3- Mineral Resource estimate for conversion to Mineral Reserve- (Pg-29)-The details to be given as per the format.

iii) Para 2.2.4.4- Threshold value & cut off parameters-(Pg-29)- Complete details to be given regarding threshold value & cut-off grade as arrived in the feasibility study and the reference of the feasibility study report to be also given.

iv) Para 2.2.4.5- Mining Factor or assumptions-(Pg-29)- The recovery factor considered for resource calculation is to be written specifically as taken in calculation under Para 2.2.4.2. No other details are required. The para to be corrected accordingly. The supporting '**Recovery study report**' may be enclosed.

v) Para 2.2.4.6-Metallurgical factor or assumptions-(Pg-29)- If there are no metallurgical factors assumed accordingly it should be mentioned '**NIL**'.

vi) Para 2.2.4.7- Cost & Revenue factors (Pg-29)-The feasibility report have not been prepared and enclosed. Detailed costing w.r.t the cost of production, average sale price, cash inflow & outflow needs to be done. Cost of production should also include Royalty & taxes (DMF, NMET) etc. The feasibility report should be prepared accordingly and is to be signed by QP. The Cost of production/ton arrived and the sale price/ton considered in the feasibility study to be specifically mentioned under the Para.

vii) Para 2.2.4.8- Market Assessment-(Pg-29)- The market projection as considered in the feasibility study, the details in this para may be given accordingly.

viii) Para 2.2.4.9-Other modifying factors (Pg-29)- 'No other modifying factors if considered, accordingly it may be mentioned '**NIL**'.

ix) Para 2.2.4.10- Classification (Pg-29)- Specific information regarding estimation done for Reserve/Resource under different UNFC codew.r.t the geologic, feasibility and economic viability axis as per UNFC & the Minerals (Evidence of Mineral Contents) Rules 2015 to be mentioned under para.

x) Para 2.2.4.11- Calculation of blocked resources (Pg-30)-The blocked Resource calculation is to be done in the table of this para, as per format after incorporating all corrections as mentioned above. The details under 'Cross section/Block' & Sectional area/block area (in Sq mrt.) are not given correction. The same may be checked and corrected. The UNFC code along with other details to be added section wise and section wise calculation to be done in the table as per the format. The reserve blocked below the Crown/rib pillars, different statutory safety zones or due to economic constraints assigning the relevant UNFC code to be calculated and given under the para.

xi) Para 2.2.4.12-Calculation of Reserves(Pg-30-32)- -The Reserve calculation is to be done in the table of this para, as per format after incorporating all corrections as mentioned above. The section wise calculation with relevant UNFC code along with other details to be carried out and to be mentioned under the table. **The Reserves/resource estimation to be done as on 1.04.2021.** The excel format in FAQ may be referred.

xii) Para 2.2.4.13-(Pg-23)- All the corrections to be incorporated under tables in this Para as mentioned above The Reserve & Resource estimation to be given as on 1.04.2021 as per the format. The Quantity under different UNFC code to be given in

“Tonnes” and accordingly under unit of estimation it may be mentioned “Tonnes”.The corrections to be incorporated in related paras of text, annexures, and plates accordingly.

13. i) Para 2.2.5:Future Exploration proposal- (Pg-32)-The portion “During the Review & updation.....2nd level & 3rd Level” is not required as per the format and may be deleted.
- ii) Para 2.2.5.1-Geological Mapping-(Pg-32)_The surface Geological mapping proposal to be given for the year 2022-23, 2023-24 ,2024-25, 2025-26 & 2026-27. The year, scale and Area covered have not been mentioned correctly under the para.
- iii) Para 2.2.5.2- Underground Geological mapping-(Pg-33)- The corrections to be incorporated as mentioned above.
- iv) Para 2.2.5.3- Geophysical Survey-(Pg-33)- The details given under the column “Area covered” to be corrected.
- v) Para 2.2.5.4- Underground Exploratory Mining- (Pg-33)- The heading to be corrected as “Underground Exploratory Mining” and Para no to be corrected as “2.2.5.4.
- vi) Para 2.2.5.5-Underground Exploratory drilling-(Pg-34)- The Para no to be corrected as 2.2.5.5.
- vii) Para 2.2.5.5.1- Core/Non-core drilling-(Pg-34)-a)The Para no to be corrected as 2.2.5.5.1.
- b)The remaining area under G-2/G-3 as per above scrutiny comment no 9(x) for Para 2.2.2.13 needs to be calculated thoroughly. The complete exploratory proposals to be worked out thoroughly to upgrade the entire potentially mineralized area to G-1 both at lateral and vertical extent in accordance withMinerals (Evidence of Mineral Contents) Rules, 2015. The Exploratory proposals to be worked out so that entire ore band (Lode-4) within the Lease area is established.For the non-mineralized area also, supporting exploratory data is required. The borehole assessment may be doneand the borehole proposals year-wise for the plan period to be proposed accordingly.
- c)As discussed during site visit to establish the ore band, surface boreholes to be also planned between section 19-19’ to further southern side of the Lease.
- d)The details of the surface boreholes and Underground boreholes planned to be given in separate table. The same table may be repeated for proposed underground boreholes and details may be given accordingly.
- e) All the surface and underground boreholes should be specifically proposed within the Lease area both lateral and vertical.
- f) Individual proposed Boreholes details to be also given as per the below mention table.

YEAR -							
Sl. No	BH ID	Collar level (m)	Angle	Co-ordinates in UTM		Depth (m)	Section
				Easting	Northing		
				TOTAL			

g) Tables under Para 2.2.5.5.1 should be corrected accordingly. The corrections to be also incorporated in all related plates and annexures.

viii) Para-2.2.5.6-Sampling-(Pg.34)- The type of sample to be selected from the options Pit/trench/Groove/Grab/Random/Others/Check samples etc. as per the dropdown options available in the FAQ excel format. Also, thenumber of samples drawn, area covered details year wise etc., for each year as per the proposed exploratory boreholes in accordance with Minerals (evidence of Mineral contents) Rules 2015 to be calculated and given here after incorporating corrections as mentioned above. The sample location extent may also be given under Latitude and Longitude column of the table(**UTM co-ordinates**). The details of the Surface boreholes sampling and underground boreholes sampling may be provided separately in the table.

ix) Para-2.2.5.7-Petrology & Mineralogical studies-(Pg.34)- Under” type of sample” column appropriate options to be selected from Waste/Mineral as per the available dropdown options available in the FAQ Excel format.

CHAPTER-3-MINERAL BENEFICIATION/PROCESSING (Pg. 35-45)

14. i) Para-3.2-Complete Chemical Analysis of the ROM ore/Mineral-(Pg-35)- The latest complete chemical analysis report of ROM to be enclosed as annexure and reference to be given under the para. The details under the para to be also given as per the report.
- ii) Para-3.3(Crushing Section)/3.4(Grinding section)/3.5(Dry processing)/3.6(Wet processing)/3.7(Overall product quality)/3.8(Disposal method for tailing/rejects)- (Pg-36-41)- These Paras are not applicable as no ROM processing activities are carried out within the ML area. According it may be specifically mentioned “NIL”.
- iii) Para-3.9-Overall water requirement-(Pg-41-43)- The complete details have not been provided as per format. The quantity of water required in Cum/day for mining & allied activities process like dust suppression, drilling, plantation, domestic purpose like washing, drinking etc. details to be given under this Para. The details regarding disposal of water, extent of recycling and chemical analysis of water should also be given under this Para.The Water balance chart to be prepared accordingly and may be added in annexure and reference to be given under this Para. The overall water requirement should be within the CFO permissible limits. Also, the latest chemical analysis report of water from NABL accredited lab to be enclosed as annexure and reference to be given under Para. The tables and flowsheet given under the para is not relevant and to be deleted. The annexures as mentioned above to be enclosed as per format and annexure reference to be given.
- iv) Para 3.10- Flow sheets and charts-(Pg-43-45)-. Flowsheets etc. as given in write up are not required as per the format and may be deleted. The reference of water balance chart & chemical analysis of water enclosed as annexure to be given under the row “ **Any other data**”.

CHAPTER-4-MINING OPERATIONS (Pg. 46-60)

15. i) **In accordance with Rule 34(A)(3) of MCDR Amendment Rules, 2021 the lessee is required to submit processed output [digital elevation model (DEM) and Orthomosaic] images obtained from drone survey of the mine lease area and up to hundred metres outside the lease boundary within six months, before submission of any mining plan document. The same may be submitted in accordance with the provision of the above rule.**
- ii) **As discussed during site inspection it is to be ensured that all the off-lode development, on-lode development, stope blocks proposed for development and production should be within the ML area 2668 leaving 7.5 m safety zone, both lateral and vertical.**
16. i) Para 4.2.2.1- Mode of Entry-(Pg-47)-a) Appropriate options to be selected under "system of winding/Hoisting" as per the available options in the format.
- b) The average spacing between "Two Main Interconnects of Main Levels (m) levels" i.e. sublevel interval to be mentioned."
- c) The "cross section of interconnect"(Sublevel) to be also given as per the format.
- d) The distance of blind heading beyond last ventilation connection is 234 m, which is not as per the statutory norms. Also, there is no second outlet established to the surface in accordance with Rule 66 of MMR 1961. There is no ventilation plan submitted under the list of plates. **It is to be ensured in this plan period that 2nd outlet connection and the complete ventilation circuit is established in the mine.** The off lode/on-lode including raising development proposals to establish the 2nd outlet and the return ventilation circuit to be worked out accordingly and to be proposed and completed in the 1st year of plan period itself.
- ii) Para 4.2.2.2-Method and Sequence of Stopping-(Pg-48)- a) Brief description regarding method and sequence of stopping to be provided in this Para as per the format.
- b) **The Geotechnical report from the Govt agency to be enclosed based on which the size of the stope, Thickness of crown pillar, thickness of sill pillar, thickness of rib pillar, size/shape of man way, size/shape of ore pass, method of stowing, stope design sequence, sub level interval etc. parameters have been considered and reference to be given under the Para.**
- c) Under the column method of stowing/backfilling since no filling is proposed accordingly appropriate options to be selected from available dropdown- Rock waste/Cemented Rock fill/stowing/Hydraulic filling/Paste fill/None/Others. Excel sheet format of FAQ may be referred. This should be inline with the Geotechnical Recommendations as mentioned above.
- iii) Para 4.2.2.3-Support of working-Geo Mechanical studies of the Rock mass-(Pg-48)- The Geotechnical study of Rock mass have not been enclosed. Also, the approved Systematic support Rules (SSR) for the mines, as per the MMR 1961 have not been enclosed. The same to be enclosed and annexure reference to be given.
- iv) Para 4.2.2.4-Transportation-(Pg-48). The complete details have not been provided as per the format. The appropriate options to be selected for the heading "From Face to pit bottom", "From pit bottom to surface". Also, the details to be provided for "Safety features on Haulage track and others as per the format. **All safety features on Haulage tracks/Winding system etc details to be provided in accordance with the MMR 1961.**
- v) Para 4.2.2.5-Year wise underground development- (Pg-49-50)- a) All corrections to be incorporated as mentioned above in scrutiny comment no 15(ii) & 16.
- b) The Level ID to be created and demarcated accordingly in all relevant plan & sections and same to be mentioned under the column "Level ID". Appropriate options to be selected for the column "Type of development". The column mentioning "Drive/Drop raise" is not there in the format and same to be deleted. Under the Location column UTM co-ordinates to be given as per the extent of location of underground development.
- c) The excel sheet format of FAQ to be referred and all the details and calculations in the table should be specifically as per the format.
- vi) Para 4.2.2.6-Stope wise production-(Pg-51)-a) The 2nd outlet and the complete ventilation circuit to be established as per the statutory norms before commencement of stope development/production operations. The complete stope production sequence to be reworked accordingly.
- b) This should also be reviewed w.r.t the comments of the Geology chapter & year-wise production to be proposed accordingly as discussed during site visit.
- c) The detailed calculation for the Year wise stope reserve & production with Stope Id considering the Recovery & Dilution percentage to be worked out and detailed calculation to be provided in annexure and reference to be given under the para. The supporting Recovery study report to be also enclosed as annexure and reference to be given under the Para.
- d) **The detailed year-wise development and production calculation sheet stope wise should be prepared with all details as mentioned above and enclosed as annexure and reference to be given under para.** The corrections to be also incorporated in all relevant para of the text, annexures and plates.
- vii) Para 4.2.3.1-Loading/Hauling Equipment- (Pg-51)- The details have not been given as per the format. The excel sheet format of FAQ may be referred and appropriate option to be selected for the column "Type", "Function", "unit" & " motive power" from the available options in the dropdown.
- viii) Para 4.2.3.2-Drilling Equipment-(Pg-52)- The details have not been given as per the format. The excel sheet of FAQ may be referred and appropriate option to be selected for the column "Type" from the available options in the dropdown.

- ix) Para 4.2.4-Supervision-(Pg-52)- The action proposed to be taken for catering the shortage of Mine Fore man & Mining Mate to be mentioned specifically under Remarks column.
17. i) Para 4.3-Material Handling-(Pg-52)-Para-4.3.1-a) Slope stability study report is not applicable since it is underground mine.
 b) The recovery study report as mentioned in above scrutiny comment no 12(iv) may be enclosed.
 c) As per specific conditions no (6) of EC the Hydro-geological study of the area shall be reviewed annually. The status of the Hydro-geological study of the Lease area to be mentioned under the Para.
 d) The Underground Geotechnical study report to be enclosed and annexure reference to be given.
 e) The corrections/additions to be incorporated in Bulk density study report as mentioned above in scrutiny comment no 8(vii).
 f) The Systematic Support Rule (SSR) to be mentioned under "Any other study report" and annexure reference to be given.
 ii) Para 4.3.2-Insitu Mining-(Pg-53)- The corrections to be incorporated in the table under this Para as per the above scrutiny comment no 16.
 iii) Para 4.3.3-Dump workings-(Pg-53)- As communicated during site visit, since no dump workings proposed accordingly it should be specifically mentioned "NIL". under the Para.
 b) The details for disposal of the generated waste quantity after dump handling also to be given year-wise.
 iv) Para 4.3.4-Calculation Summary-(Pg-54)-a) Year to be mentioned as 2022-23, 2023-24, 2024-25, 2025-26 & 2026-27.
 b) Under "**Handling Quantity (A)**" row "Year-wise ROM Quantity" as per previous Para 4.3.2 to be given.
 c) The "**Saleable Mineral Quantity(B)**" is same as the ROM Quantity as mentioned in previous Para 4.3.2.
 d) The "**Proposed Dump Handling Quantity(C)**" year-wise is "NIL" as mentioned above in scrutiny comment no 17(iii).
 e) The "**Recovery of Saleable Mineral(D)**" year-wise is also "NIL" as mentioned above in scrutiny comment no 17(iii).
 f) The "**Total Production Quantity(A+C)**" & "**Total Handling Quantity(B+D)**" to be corrected accordingly.
 g) The corrections to be made in the table as mentioned above and also in all other related portion of text, annexures and plates.
18. Para 4.4-Machine Calculation (Pg-54)- i) Para 4.4.1-Machine requirement Summary (Pg-54)- The Handling required per hour to be corrected as " $F=E/\text{Effective shift time}$ ".
 ii) Para 4.4.2- Loader Requirement (Pg-55)- The calculations have not been done correctly. The Bulk density for waste & ore to be considered in the "Tonnage factor". Since tonnage factor for ore & waste are different, the maximum handling quantity as per Para 4.3.2 to be considered and number of Loaders to be calculated separately for Ore & waste. The bucket fill factor, swell factor, tonnage factor etc. to be assumed correctly. The TPH, yearly handling etc. to be calculated incorporating all corrections as mentioned above and no of loaders to be calculated accordingly. The Standby Loader should be calculated mentioning the availability percentage.
 iii) Para 4.4.3- Dumper/LPDT/Truck/Locomotive Requirement (Pg-55)- No calculation has been performed under the Para. The number of Locomotive with tubs required for handling the quantity (Including both ore & waste) to be calculated under the Para (track Underground mining). The "maximum handling of material" quantity to be corrected including both ore and waste as arrived in Para 4.3.2. The Stand by tubs is to be calculated mentioning the availability percentage.
 iv) Para 4.4.4-Drill Machine Requirement(Pg-56)- The calculations under the table have not been done correctly. The yield per hole to be calculated correctly ($\text{Spacing} \times \text{Burden} \times \text{Depth of hole} \times \text{Bulk density}$). The yield per meter is to be calculated as per the depth of hole. The Annual target to be assumed considering the maximum handling quantity of Ore & waste. Since Bulk density for ore & waste are different, the maximum handling quantity as per Para 4.3.2 to be considered and number of Jack hammers for development to be calculated separately for Ore & waste. The rate of drilling per hours to be corrected and number of drills required to be calculated accordingly. The Stand by drill should be calculated mentioning the availability percentage.
19. i) Para 4.5.1-Blasting & Explosive Requirement in waste/development (Pg-56): -Under the column "Drill pattern/Spacing of Holes(m)", Spacing of Holes to be also mentioned. The other details have also not been calculated correctly. The same may be calculated as per the format after incorporating all corrections. The excel sheet of FAQ may be referred.
 ii) Para 4.5.2-Blasting & Explosive Requirement in Mineral/ore (Pg-57)- The "**type of Explosive**" & "**Explosives used**" to be mentioned correctly from the available dropdown options as per the format. Under the column "Total ROM proposed to be handled in Cum/annum" – to be considered, as same as it has been considered for drilling in previous Para 4.4.4. The other parameters like spacing, burden etc. yield/hole(cum) etc. to be calculated correctly accordingly as mentioned above and in previous paras.
20. i) Para 4.6.1- Managerial-(Pg-57)-i) The "Mining Engineer" as per provision of MCDR 2017 may also be included
 ii) Para 4.6.6- Others, specify (Pg-58-59)-a) The manpower related to "Security" etc. may also be included in this Para.
 ii) The no of person engaged per day to be recalculated incorporating all above corrections. The Material handled per shift to be checked as per previous para 4.4 (Scrutiny comment 18(i)).
21. Para 4.7.2-New Dump-(Pg-59)- a) The Year-wise details for the plan period 2022-23, 2023-24, 2024-25, 2025-26 & 2026-27 to be given under this para as per the format and same are to be demarcated as per the mentioned Dump-ID, on the related plates accordingly.

***The Year wise OB Quantity under above Para 4.7.2 should be, the year-wise total waste generated from In-situ Mining Underground (Para 4.3.2). The Total dump quantity to be calculated accordingly in Cum as per the format. Also, the area, Height of dump etc. should be as per the specific conditions no (18) of EC.**

- b) The UTM co-ordinates is to be provided in the New Dump Location and to be demarcated accordingly in the relevant plan & sections.
22. Para 4.9-Use of Mineral-(Pg-60)- Under the column "Proposed use of Mineral" relevant option to be selected as per the format (Captive use in own industry/Direct selling/Selling post beneficiation). It is mentioned "Jewelry" which is not related.

CHAPTER-5-SUSTAINABLE MINING (Pg. 61-63)

23. i) Para 5.1- Sustainable Mining and SDF Implementations (Pg-61)-a) It should be specifically mentioned under this Para "Sustainable Mining and SDF implementations during the plan period 2022-23 to 2026-27 will be carried out in accordance with Rule 35 of MCDR 2017".

b) Compliance of Vishakha Committee Guidelines- The Company guidelines for prevention of women harassment at work place to be detailed here and supporting document may be added in annexure and reference to be given under the para.

ii) Para 5.2- CSR Initiatives (Pg-61-62)- **The SDF proposals have not been given which is not acceptable.** Each year SDF proposals to be given separately as per the format. Under "cumulative" column year on year proposals to be added taking 2022-23 as the base year. The excel format of FAQ may be referred and complete details to be provided.

CHAPTER-6- PROGRESSIVE MINE CLOSURE PLAN (Pg. 64-69)

24. Year 1, Year 2, Year 3, Year 4 & Year 5 to be corrected as 2022-23, 2023-24, 2024-25, 2025-26 & 2026-27 in all the relevant portion of the chapter.

25. i) Para 6.1-Status of Land-(Pg.64)-The last approved document (Pg-69) mentions 0.05 ha under Roads and "0.02 ha" under infrastructure already under "Area on use at start of RMP". This may be further checked as per the latest survey and to be mentioned under "**Area under utility services"-Total area Degraded.**The "**Virgin area under Green belt"- Other areas Reclaimed and Rehabilitated to be corrected accordingly.**

ii) Para 6.2.2.2.1- Fencing- (Pg-65)- As discussed during site visit, the fencing of the lease boundary may be reviewed and may be proposed year-wise in the plan period.

iii) Para 6.2.2.2.2-(Retaining wall) & Para 6.2.2.2.3 (Garland drain)- (Pg-65)-a) All the Protective measures (Retaining wall, garland drain, check dams etc) should be reviewed w.r.t specific conditions of EC and are to be proposed in the plan period year wise.

b) The surface waste dumping is proposed, accordingly the Retaining wall, Garland drain requirement as discussed during site visit to be reviewed and proposed year-wise in the plan period in line with the EC conditions.

c) The UTM co-ordinates to be provided for the proposed location of Retaining wall and Garland drain as per the format. Under Co-ordinates "From" & "To" Northing & Easting co-ordinates to be given

d) The above PMCP measures to be demarcated distinctly on the PMCP plan.

iv) Para 6.2.3.2- Year wise proposal-(Pg-66)- It may be ensured that the entire green belt i.e., 7.5 m safety zone all along the lease is covered with plantation in the plan period. The density of trees shall be proposed as per the EC conditions. The Year-wise proposal for the plan period to be given accordingly and should be clearly demarcated on the PMCP plan.

v) Para 6.2.8.2- Year wise proposal-(Pg-68)-The other form of reclamation like Catch drains, Siltation ponds etc. may be reviewed w.r.t the specific and General conditions of EC and year-wise proposals may be given accordingly. The same may be demarcated on the PMCP plan.

vi) Para 6.2.11- (Conceptual stage)- (Pg-69)-a) The details under the table have not been given correctly under the Para. As discussed during site visit the conceptual period to be considered for the ore blocks within the lease area only, both lateral and vertical.

b) The "**Area under Dumps**", "**Area under Utility services"-Total area degraded** to be calculated till conceptual period and to be given correctly in the table The **Non-Degraded area** till conceptual stage to be also calculated correctly accordingly.

c) The entire "Area under Dumps (in hect.) to be stabilized with plantation and is to be mentioned accordingly under "**Stabilized waste dump rehabilitated**". At conceptual stage the area under infrastructure like workshop, building, etc needs to be dismantled & Rehabilitation measures (Grassing/Plantation) on such area to be implemented, accordingly such area needs to be calculated and proposed under "**Rehabilitated area under utility services**". Also, the Virgin area under Green belt to be corrected accordingly. **The complete land use under the para to be corrected as per the above points.**

d) **The conceptual plan should 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.** The plantation & re-grassing may be proposed in conceptual period accordingly.

e) All the above corrections should be incorporated in the text and Conceptual plan & Section.

CHAPTER-7- FINANCIAL ASSURANCE/PERFORMANCE SURETY (Pg. 70)

26. i) Para 7.1-(Pg-70)-a) **Separate Financial Assurancetable to be given for each year, 2022-23, 2023-24, 2024-25, 2025-26 & 2026-27 as per the format.** The excel sheet format of FAQ to be referred.

b) The "Area put to use at Start of the Year" under different headings as per the format should be given as per the latest survey, and as updated in the surface plan.

c)The tables in this para for each year of the plan period regarding "area put to use at start of year", "additional requirement" and "total" to be checked & recalculated after incorporating all corrections for Geology & Exploration(2), Mining operations (4), & Progressive Mine Closure Plan Chapter (6). Under the row "**Others to specify**" heading Greenbelt & Engineering measures only to be included.

d)The corrections under this Para and Financial assurance plate to be corrected accordingly as per above points.

ii) Para 7.2-Financial assurance-(Pg-70)- The "total area proposed to be put to use in hectares" as arrived at the end of the final year of plan period(2026-27) should be calculated after incorporating all above corrections and the amount of bank guarantee to be calculated in accordance with Rule 27 of **Mineral Conservation and Development (Amendment) Rules, 2021(Five lakh rupees for Category 'A' mines per hectare of the mining lease area put to use for mining and allied activities)**. The bank guarantee validity should be till the end of plan period. Copies of the bank guarantee to be enclosed as annexure and reference to be given under Para. The table under this Para to be corrected accordingly.

CHAPTER-8- REVIEW OF PREVIOUS PROPOSALS (Pg. 71-73)

27. The specific reasons for non-operation/non-working of the mine, to be mentioned under this chapter.

28. i) Para 8.1.1-Lease area utilization (Pg-71)- a)The "Area at beginning of the proposal period" should be exactly similar as mentioned in "Area put on use at start of plan" of last approved document (Pg-69).

b) Under "Area proposed under activity" the area mentioned under "Area as at the end of plan period/Total area" as per the last approved document to be given. For e.g., in case of Roads – "0.25 ha" may be mentioned instead of 0.20ha. For Infrastructure-0.02 ha and so on in other headings also. The actual area is to be given as per "Area put to use at start of year" in the financial assurance chapter (7.0) for the year 2022-23 of plan period. The deviation may be calculated in **percentage** accordingly and reasons may be specified.

ii) Para 8.2.2.1-(Pg-73)-a) The details have not been given correctly as per the format. In this table additional sub rows to be added Year-wise i.e., 2017-18, 2018-19, 2019-20, 2020-21 & 2021-22(till Dec-21) and year wise achievement to be reviewed w.r.t the corresponding year proposal as per last approved document. The unit to be also mentioned (tons/cum etc).

b) Under the Row "**Dumping Site for Surface**- The area proposed for waste dump/Surface dumping as per the last approved document may be mentioned and actual area to be reviewed.

iii) Para 8.2.2.2-Excavation-(Pg.-73)-The year-wise Lateral and vertical extent to be reviewed w.r.t the proposal.

iv) Para 8.2.6-Production of Minerals-(Pg-74)- a) The proposed vs actual review to be done year-wise as mentioned above. The unit(tons) to be mentioned under each row. The Reasons for deviation to be mentioned specifically

b) Para 8.2.6.1-ROM- (Pg-74)-Under row "Underground" the total ROM Quantity as per the last approved document(Pg-31) to be given year-wise. The "achievement" to be reviewed year-wise accordingly and reasons for deviation to be mentioned.

c) Para 8.2.6.2-Cleaned Ore-(Pg-74)- Under row "Underground" only the "ROM Quantity" as per last approved document (Pg-31) to be given year-wise. The total Quantity to be arrived year-wise accordingly after incorporating above corrections.

vi) Para 8.2.8-Environmental Compliances-(Pg. 75)- The year-wise review to be done as mentioned above. The unit to be also mentioned under relevant row. The reasons for deviation to be mentioned. Also, the latest environmental monitoring report to be enclosed in annexure and reference to be given under this Para.

v) Para 8.3-Socio Economic Review-(72)- Since there were no proposals in the last approved plan period under Socio-Economic, accordingly under para 8.3.1, 8.3.2, 8.3.3.1, 8.3.3.2, 8.3.3.3, 8.3.3.4 & 8.3.3.5 it should be mentioned "NIL".

29. **CHAPTER-9- IMPACT ASSESSMENT (Pg. 74-78)**- The Contents of the chapter to be included as per the format. Since this chapter is only applicable for fresh grant., it may be mentioned "**NOT APPLICABLE**" at the starting of the chapter.

30. CONSENT LETTER/UNDERTAKING/CERTIFICATE FROM THE APPLICANT

i) 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 contents of the letter may be kept as per the earlier format.

ii) Certificate from QP- The Certificate from QP is also to be enclosed with the "Text" and should be digitally signed by the Qualified Person. The contents of the letter may be kept as per the earlier format.

iii) Every chapter of the text to be digitally signed by QP at starting and end of the chapter. All the soft copies of plates(dwg) & relevant annexures to be also digitally signed by QP.

31. PART-C, PLANS & SECTIONS:

a) ***The Plates have not been prepared and submitted sequentially maintaining the plate number as per the format.***

b) ***All the plans are to be prepared with boundary pillar nomenclatures and co-ordinates as per the State Govt. approved DGPS Lease sketch.*** All the plates should contain details of ML area 2668 only as per the DGPS lease sketch. The Safety Zone of 7.5 m should be demarcated all along the Lease boundary of ML No 2668 in all related plans & section and should be ensured that no mining/allied activities are proposed both in surface and underground, in and beyond the safety zone. **All the plans & sections should be specifically prepared in UTM grid. The UTM Grid (Northing & Easting) to be given in all surface/underground plan & sections.**

c) **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 (dwg. file), to be also be submitted. All sections submission should be in dwg. Format (Auto-cad output). The KML files have not been prepared as per the format. The KML files to be also prepared correctly as per format and 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. The individual KML to be prepared Layer wise as per the respective plan requirement and as detailed under the "List of plates" in excel format of FAQ.

- d) 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.
- e) The date of survey should be mentioned in all plates. As per Rule 31(4) of MCDR 2017 "the plans and sections required under these rules shall be maintained up to date within three months in case of category 'A' mines as referred to in clause (a) of sub-rule (2) of rule 55. Accordingly, all the plates should be prepared and furnished.
- f) All plans and sections should be signed with date by certified surveyor, Qualified Person, Geologist, Mining Engineer as per provisions of MCDR 2017. The submitted soft copies of the plates (dwg files) are to be digitally signed. **The plate number has not been maintained as per format. The same has to be maintained as per the format.**
- g) Lease Cadastral Plan (Scanned image)(Plate no-1)- The scanned copy of the original lease map issued by State Govt along with other details to be enclosed as per the format.
- h) Surface Plan (Plate no-2): The surface plan to be corrected and updated specifically as mentioned above and also all related scrutiny comments of different chapters. The plate should incorporate all the details as per Rule 32(1)(a) of MCDR 2017. The index of the plate should have all the features demarcated on the plan. The plate should have countersignature of authorized surveyor. **The KML/SHP file of surface plan to be also prepared accordingly** after incorporating all corrections. The colour codes for different features to be followed as per the format.
- i) Surface Geological Plan (Plate no 3):1The plates should be checked and all corrections to be specifically incorporated as per the aforementioned scrutiny comments of Geology and Exploration chapter (2)& as mentioned above. The plate should incorporate all lithological units in the area, already drilled boreholes, proposed boreholes for the plan period, the area covered under different explorations limits G1, G2, G3 to be clearly demarcated and area to be mentioned in plate. The Plan should be submitted showing different colour codes for i) Lithological/Geological occurrence ii) Area under G1, G2, G3 and other features as per format. All the features to be also replicated as per the corrected/updated surface plan. **The KML/SHP files of Geological plan to be also prepared accordingly.**
- j) Surface Geological Section (Plate No.4)-The plate should be checked and all corrections to be specifically incorporated as per the aforementioned scrutiny comments of Geology and Exploration chapter (2) and as mentioned above. The Geological section to be given reef-wise with all the surface and underground drilled boreholes for the particular reef shown on the section. The Geological section should indicate the mineral reserve and Resource under different UNFC code. The section should be in-line with the Reserve/Resource estimation done for the Reef under different UNFC category. The lithology of the borehole logs and sections should be matching. The section should also be submitted with different colour code depicting all the features as shown in surface geological plan.
- k) Five-year Production & Development Plan (Plate No. 5):The production & development plans should be prepared individually year-wise incorporating all corrections as mentioned in Geology & exploration (2) & Mining operations Chapter (4) for the reef (Lode no-4) showing extent of both off lode and on lode development proposed, underground exploratory boreholes proposed etc. Each year to be marked with separate colours. The index should mention all proposed features. The details for the development should also be given in tabular format in plates.
- l) Production & Development section (Plate No6)-The Production & development sections should be prepared individually year-wise incorporating all corrections as mentioned in Geology & Exploration (2) & Mining operations Chapter (4) for the Reef (Lode no-4) showing the blocks proposed under stoping year-wise. Each year to be marked with separate colours. The details for stoping should also be given in tabular format in plates.
- m) Progressive mine closure plan (Plate no7): All corrections to be incorporated as per the PMCP Chapter (6) and related scrutiny comments of other chapters and above. The year-wise proposed PMCP measures for the plan period should be demarcated with different color code as per the format. **The KML/SHP files of PMCP plan to be also prepared accordingly.**
- n) Progressive mine Closure sections (Plate no 8)-The PMCP sections should be prepared as per the format after incorporating all corrections in Progressive mine closure plan.
- o) Conceptual Plan & Section (Plate No 9)-i) **The surface conceptual plan & section reef wise** to be prepared and attached with plates. The land-use pattern for mining & allied activities during plan period as well as during conceptual period to be given in tabular format as mentioned above in the surface conceptual plan The steps & measures proposed to be taken to reclaim the mining lease area including re-grassing at conceptual stage of mine should also be given in conceptual surface plan
ii) All the corrections to be incorporated as per the above scrutiny comment no25(vi) for Para 6.2.11.
iii) **The KML/SHP files of Surface conceptual plan to be also prepared accordingly.** The status of land use shall be depicted by different colour code as per the format.
- p) Geo Referenced Cadastral Plan (Plate no 10)- The Geo referenced cadastral plan (DGPS lease Sketch) duly certified by the State Govt. to be enclosed as per format.
- q) Environment Plan (Plate No11): -The corrections to be incorporated as mentioned above and as mentioned in scrutiny comments of different chapters. **The KML/SHP file of Environment plan to be also prepared accordingly.**
- r) Stope Sequence Plan & Section showing sequence of stoping predominantly done in the U/g Mine (Plate No-12)- The plan & section should be prepared depicting the sequence of stoping predominantly practiced in the mine showing the working stopes, proposed stopes & mined out stopes as per the format.

- s) Level wise working plan & sections (Plate no 13)- The plan & section should be prepared showing all the working, exhausted stopes along with all underground openings related to Man/Material transportation as per format.
 - t) Underground Plan(Plate no 14)- The underground working details to be shown precisely. It should be prepared in accordance with Rule 32(1) (e) of MCDR 2017
 - u) Transverse Section(Plate no 15)-A transverse section/sections of the workings through the shaft/shafts indicating clearly the strike and dip of the reef at different points & such sections of the strata sunk or driven through in the mine or proved by borehole as available in accordance with Rule 32(1) (c) of MCDR 2017 to be prepared. This may be further checked with the aforementioned scrutiny comments related to Geology& Exploration (2) & Mining operations (4) chapters.
 - v) Longitudinal mine section (Plate No 16)- As already mentioned above the ML boundary along with 7.5 m safety zone for 2668 to be projected vertically and all the workings within the ML area 2668 are to be shown vis a vis underground plan. A longitudinal mine section/sections showing a vertical projection of the mine workings in accordance with Rule 32(1)(d) of MCDR 2017. The plate to be prepared accordingly.
 - w) Ventilation Plan & Section- The ventilation plan & section to be prepared as per the statutory norms and to be enclosed. It should indicate the complete ventilation circuit(both intake & return with different colour code) for all the development headings & stope proposed during the plan period.
 - x) Financial Area Assurance Plan (Plate no 17): The plate should be corrected incorporating comments for Financial Assurance/Performance Surety Chapter (7) (Scrutiny comment no 26). The Financial assurance table may also be given in plate accordingly and all the area shown in the table should be distinctly demarcated on plate and indexed.
 - y) **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 maintaining the numbering & sequence specifically as per format. The excel template as published in FAQ may be referred**
32. **PART- B, ANNEXURE:**
- a) **The annexure number and headings have not been maintained as per the format and are enclosed in random. The annexure number and headings to be specifically maintained as per the format. The excel template as published in FAQ may be referred**
 - b) **The annexure number and the heading to be mentioned for each annexure in the soft format and to be placed serially in a folder named "Annexure".**
 - c) The supporting document to be furnished from the State Government, communicating the status of the Lease and that the Lease has not lapsed under Rule 20 of MCR 2016& MCR (4th Amendment) Rules 2021 as mentioned above in scrutiny comment no 2.
 - d) The supporting document to be enclosed, regarding completion of payment of penalty for late submission of RMP, as mentioned above in scrutiny comment no 1.
 - e) 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.
 - f) Annexure-3-The copy of valid consent to operate as per above scrutiny comment no 5(vi) to be enclosed.
 - g) Annexure-4-The latest copy of the resolution of Board of Directors nominating the owner should be enclosed as per above scrutiny comment no 5(ix).
 - h) Annexure-7- The Consent letter should be digitally signed by the Nominated Owner. Also, the Certificate from Qualified person to be digitally signed by the QP.
 - i) Annexure-9- Copy of Study Reports- The corrections/additions to be incorporated as mentioned above in scrutiny comment no 17 for Para 4.3.1.
 - j) Annexure-10-Feasibility Report- The feasibility report to be prepared and enclosed as mentioned above in scrutiny comment no 12(iii) & 12(vi).
 - k) Annexure-12-Exploration details- The corrections& additions to be incorporated as per above scrutiny comments of Geology & Exploration chapter (2)
 - l) Annexure-13-Chemical & Mineralogical Analysis report-The corrections&additions to be incorporated as per above scrutiny comments of Geology & Exploration chapter (2).
 - m) Annexure-16-The copies of Bank Guarantee to be submitted as per above scrutiny comment no 26(ii).
 - n) Development & Production Sheet-The development & production sheet to be enclosed as mentioned in above scrutiny comment no 16(vi).
 - o) **Ventilation details-The total air requirement inside the mine as per the statute to be mentioned. The type of ventilation system, total Intake air Quantity, total Return air Quantity should be specifically mentioned. All air quantities to be given in (m³/sec). The details of the main mechanical ventilators including capacity should also be included.**
 - p) **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 Part-B Annexures in text. All the annexures should be legible.**
