



भारत सरकार GOVERNMENT OF INDIA  
खान मंत्रालय MINISTRY OF MINES  
भारतीय खान ब्यूरो INDIAN BUREAU OF MINES  
क्षेत्रीय खान नियंत्रक के कार्यालय  
OFFICE OF THE REGIONAL CONTROLLER OF MINES



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BHUBANESWAR-751020

No. RMP/A/19-ORI/BHU/2019-20

दिनांक / Date: 17.10.2019

To

Shri Vivek Gupta, Director &  
Nominated Owner, M/s Steel  
Authority of India Limited,  
Ispat Bhawan, Lodi Road,  
New Delhi-110003.

Sub: Review of Mining Plan of Bolani Ores Mine over an area of 1321.45 ha in Keonjhar district of Odisha of M/s Steel Authority of India Limited (SAIL) submitted under Rule-17 (2) of MCR, 2016.

Ref: - i) Your letter no. SAIL/DRMI/2019-20/261 dated 13.09.2019 received on 30.09.2019.  
ii) This office letter of even no. dated 30.09.2019.  
iii) This office letter of even no. dated 30.09.2019 addressed to the Director of Mines, Govt. of Odisha, copy endorsed to you.

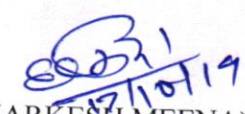
Sir,

This has reference to the letters cited above on the subject. The draft Review of Mining Plan along with Progressive Mine Closure Plan has been examined in this office based on earlier site inspection carried out on 27.08.2019 by Shri Ramkishan R, Sr. Assistant Controller of Mines. The deficiencies observed are enclosed herewith as Annexure-I.

You are advised to carry out the necessary modifications in the draft Review of Mining Plan in the light of the contents vide Annexure-I and submit **three (3) firm bound and two (2) soft copies of the document text in CD in a single MS Word file (the drawing/plates should be submitted in Auto CAD compatible format and JPG format in resolution of 100x100 pixels on same CD)** with financial assurance under Rule 27 of MCDR' 2017 within 15 (fifteen) days from the date of issue of this letter for further necessary action. If the total page of annexures exceeds 50 (Fifty) then it should be submitted as separate volume. But reference of these annexures must appear in the Review of Mining Plan document. The plates are also to be submitted in separate volume.

The para-wise clarifications and the manner in which the deficiencies are attended should invariably be given while forwarding the modified copies of the Review of Mining Plan. It may be noted that no extension of time in this regard will be entertained and the Review of Mining Plan will be considered for rejection if not submitted within above due date. It may also be noted that if the deficiencies are not attended completely, the submission would be liable for rejection without further correspondence.

भवदीय / yours faithfully,

  
(HARKESH MEENA)

क्षेत्रीय खान नियंत्रक / Regional Controller of Mines

Copy for kind information and necessary action to:

1. Shri Joydev Chattopadhyay, Qualified Person, Bolani Ores Mines, Raw Material Division, M/s Steel Authority of India Limited, Post-Bolani, Dist-Keonjhar, Odisha-758037.
2. Ms. Sujata Suman and Shri Brajesh Kumar, Qualified Person, Raw Material Section, M/s SAIL, RDCIS Lab. Building 04<sup>th</sup> Floor, Post-Doranda, Ranchi-834002, Jharkhand.

(HARKESH MEENA)

क्षेत्रीय खान नियंत्रक / Regional Controller of Mines

**Scrutiny comments on examination of Modification of approved scheme of mining with PMCP of Bolani Ore Mines over an area of 1321.45 Ha in Keonjhar District of Odisha State of M/s SAIL**

**GENERAL POINTS:**

1. Sequence of paragraph and its numbering as per IBM Manual Appraisal MP 2014 has not been covered in text. All the headings as mentioned in the IBM Manual Appraisal MP 2014 should be furnished in all chapters in the text.
2. All the text, tables and annexures to be properly indexed/ numbered/ paged and signed by qualified person. Correct table reference number to be mentioned at all relevant places. All the certificates/annexures should bear dated signature.
3. The term "subgrade" part of ROM should be replaced with "Mineral Reject" at all places in the document.
4. MCDR, 1988 should be replaced with relevant rules of MCDR, 2017 as well as for MCR, 1920 with MCR, 2016.
5. The status of Forest clearance details like diverted and stages of total Forest area should be furnished as on date.
6. In Introduction the details regarding the rehandling of fines dumps and subgrade are furnished in tabular format. The proposal should not be furnished in anywhere of the document as the necessary approvals have not ben finalized for quantities and quality of material to be sold in open market. So necessary corrections should be made in the document wherever it is applicable.
7. The copy of the qualification & experience certificate in respect of the QP to be enclosed as per Rule 15 of MCR, 2016.
8. phone numbers and E-mail address of Nominated owner to be furnished.
9. Review of last approved document only should be furnished under para 3.3. the ROM
10. production achieved figures furnished should include mineral rejects. Recheck and rectify the same.
11. The information furnished under Para 3 should be in Para 3(1). In Para 3.1, the date of approved mining plan/review of mining plan should be given in tabulated format.

Sl. No	Mining Plan / Review of Mining Plan etc.	Submitted Under (Rule Reference)	Approval Letter No. & Date	Period	Valid up to

**Geology and Exploration**

12. The information of drilled BH to be submitted as per following format which should be enclosed as a annexure:

S.No.	Year	BH Id	Easting	Northing	Collar RL	Inclination	BH Depth	Type of BH	No. of samples
1			UTM	UTM	mRL				



No of samples analyzed from pitting and trenching should also be furnished and also the total no of samples analyzed in the NABL laboratory should also be furnished with analysis report and certificate enclosed annexures.

13. The table showing status of exploration under UNFC should be recalculated as per Part II point no.4 of MEMC Rules 2015. The justification for area considered for G1/G2/G3 etc. should be given w.r.t MEMC rules 2015. Revised UNFC boundaries have to be drawn. Necessary corrections to be done at all relevant places of the document (text and in plates). The depth of litho units should be taken up to the proven depth only, not beyond it. The regarding the explored areas should be furnished in the following format also.

Area	Lateral Extent in Ha	Remarks
Total Lease Area		
Explored area		Min. and Max. depth
Explored Area Under G1		Min. and Max. depth
Explored Area Under G2		Min. and Max. depth
Explored Area Under G3		Min. and Max. depth
Mineralized area under G1		Min. and Max. depth
Mineralized area Under G2		Min. and Max. depth
Mineralized area Under G3		Min. and Max. depth
Non Mineralized are under G1		Min. and Max. depth
Non Mineralized area under G2		Min. and Max. depth
Non Mineralized area Under G3		Min. and Max. depth
Unexplored lease area		Extent of Forest area and Non forest Area should be mentioned.

The future exploration program to be revised incorporating the following.

- (a) Additionally, new core boreholes to be proposed in the location adjacent to existing drilled boreholes that have been either terminated in the ore zone or closed prematurely without intersecting the proposed ore zone in depth within G1/G2 area.
- (b) The depth of the proposed core boreholes should be around 300m or till the end of mineralization/discontinuance of ore body. The proposal to be mentioned.
- (c) Adequate proposal of exploration to be given to explore lease area under G2 level of exploration as per MEMC, rule 2015 and also G1 level of exploration should be proposed in the mineralized area which should be completed in compliance to the rule 12 (3)&(4) of MCDR, 2017. Accordingly exploration proposal should be modified, only core type drilling of boreholes should be proposed.

(d) The revised drilling proposal complying the above points (a,b & c) should be given in the format tabulated below.

Year	No of Boreholes	Type of borehole	Grid Interval	Total Meterage	No. of Pits, dimensions and volume	No. of Trenches, dimensions and volume

(e) The details of the proposed boreholes have to be furnished in following tabular format.

Year of drilling	Section No	Proposed BH no	Northing	Easting	Collar RL	Core/ RC/DTH	Proposed Depth	inclination	Forest/ Non Forest/ Diverted Forest area	Surface Right/Non-surface Right area

- (f) As per MEMC Rules 2015, check analysis of at least 10% of samples may be analyzed from third party NABL accredited/or department of science & technology (DST) / BIS recognized laboratories or government laboratories for assessing the acceptable levels of accuracy. Accordingly, the proposal should be given under future exploration programme.
- (g) In the table under proposed exploration program, a column should be inserted showing the purpose of borehole (for lateral extension or depth ward) conversion of G2 or G3 area to G1 or for unexplored area.
14. The section wise resource and reserve for Ore and Mineral Reject has to be re calculated in accordance with MEMC Rules,2015. The cut off grade should be furnished as 57% Fe in all relevant part of document and threshold value as 45% Fe. The quantities estimated for Ore (57% Fe and above), mineral rejects (between 45% Fe to 57% Fe) and waste (IB/OB/SB) should be calculated separately and same should be furnished in tabulated format along with section reference for both cross section area wise and slice plan method. The type of waste whether it is IB or OB or SB should also be furnished. The figures furnished should be in line with the final estimated figures of UNFC table of reserve and resources. The UPL has to be redrawn as currently the UPL is inside the ore zone as shown in Geological plan and sections to fully extract the mineralized area. The quantities of material above threshold vale i.e.45% Fe and above UPL should be taken in to reserves category.
15. Parameters considered for reserve estimation should be further elaborated. Proper justifications of reserves/resources under various categories of UNFC as shown in the table have to be submitted for different axis should be furnished in tabular format. The reserves and resources should be estimated up to the proven depth of boreholes only. No further influence of litho below the proven depth should be considered.
16. Justification for increase of reserves and resources from the last approved mining plan to the present draft document should be elaborated. The final presentation of reserves and resources table should be as per the table format specified in the IBM Manual Appraisal MP 2014.
17. The table furnished in page no 67 regarding the blocked resources may not be required as it can be addressed in UNFC justification table for different category of resources.
18. The copies of Form –I and particulars of boreholes drilled till date and recorded in Form –J as per the format specified in MCDR 2017 should be furnished and enclosed as annexures.

## MINING

19. The description of the existing pits in the following table to be furnished.

### Existing Pits:

Location (Grid) UTM	Surface area covered (in Ha)	Top RL (m)	Bottom RI (m)	No of benches

20. Dump re-handling should only be proposed for the existing waste dumps / old mineral rejects dumps for recovery of mineral and not for the fines dumps as proposed in page no.70, 78 and 101. This should also be rectified in the text part of the document wherever mentioned.
21. In page no 72 the mineral rejects figures provided in the table should be rechecked and rectified. The justification for the percentage of ore and mineral rejects quantities furnished for the proposed years should be furnished viz., recovery of ore in ROM.
22. The stripping ratio should be furnished in a ratio that for extraction of 1 tonne of ROM how much cu.m. of waste is going to be generated yearwise.
23. The excavation proposal quantities furnished for the yearwise for different working areas is not matching with information furnished in page nos 72,73,74 and 75. Recheck and rectify the same.
24. Describe briefly the layout of mine workings, pit road layout, the layout of faces and sites for disposal of overburden/waste along with ground preparation prior to disposal of waste, reject etc. A reference to the plans and sections may be given. UPL or ultimate size of the pit is to be shown for identification of the suitable dumping site. The information on proving the area for barrenness (devoid of ore through exploration) and outside the UPL should be properly described. The area wise existing and proposed waste dump, its name/nomenclature and locations in UTM coordinates should be furnished in tabular format. Proper justification should be given for requirement of new waste dumping sites along with site specific justification for the new waste dump locations selected and proposed for dumping at all the locations. Justifications should be supported with plans and sections.
25. Excavation proposal shown in tabular format from page 42-50 may be modified to the extent as mentioned. Section wise and RI wise year wise excavation proposal of Ore, Mineral reject and Waste (OB/SB/IB) should be calculated showing section number, RI considered, cross-sectional area, length of influence, volume, Bulk density and tonnage. Necessary calculation should be shown in tabular format.
26. Dump re-handling (for the purpose of recovery of mineral) should be submitted in format specified in IBM Appraisal of MP 2014 only for waste dumps.
27. The mineral loading system after ROM processing/benefaction should be explained. Stacking of ore should not be proposed in the other lease area.
28. All the information furnished for the conceptual period should be modified according to the end of the lease period only.
29. The equipment calculation quantity of B&C quarry proposed should also be taken into consideration for fleet strength. And the list of existing equipment with capacity with proposed new equipment should also be furnished.
30. The basis of calculation of furnished powder factors figures should be furnished.

**Mine Drainage**

31. The water management system channeling the mine water, surface run off through check dams and protective measures in place should be described elaborately.

**STACKING OF MINERAL REJECT/SUB GRADE AND DISPOSAL OF WASTE:**

32. The disposal of waste and mineral reject and soil to be furnished as per table furnished in IBM Manual appraisal MP 2014. The mineral rejects that are going to be generated during the plan period for yearwise should be specified in the table with quantities that are going to be stored, blended are beneficiated.
33. The description of the existing Waste dumps/old fines dump stocks in the following table to be furnished.

**Existing Waste Dumps:**

Sl. No	Waste dump nomenclature	Location in UTM coordinates	Area occupied		Volume in Cu.m.	Quantity in (Tonnes)
			(m <sup>2</sup> )	(ha)		

**Existing Mineral rejects Dumps:**

Sl. No	Mineral reject dump nomenclature	Location in UTM coordinates	Area occupied		Volume in Cu.m.	Quantity in (Tonnes)	Grade (Fe%)
			(m <sup>2</sup> )	(ha)			

The grade of the above material should be furnished only after chemical analysis of the material carried out by third party in NABL laboratory including sample collection. The analysis reports should be annexed.

**Existing stocks of old fines dumps:**

Sl. No	Old fines dump nomenclature	Location in UTM coordinates	Quantity (MT)	Grade (Fe%)

The grade of the above material should be furnished only after chemical analysis of the material carried out by third party in NABL laboratory including sample collection. The analysis reports should be annexed.

34. The proposed waste dumping furnished in tables in 145 to 147 a column should be added for whether it is in outside UPL or within UPL, a column for nature of dumping whether it is permanent or temporary and also a column whether it is mineralized area or non-mineralized area. The waste dumping proposals should be in non-mineralized area and outside UPL, If it is within UPL and mineralized area they should be of temporary and proper justification should be given with rehandling proposal. The area proposed for overburden dumping shall be proved for its non-mineralization through exploration. Accordingly, the priority of drilling has to be proposed so that the area is proved to be barren before overburden dumping. The same should also be described under the paragraph. Necessary modification to be done in the text accordingly.

35. Waste dumping is proposed WDD in the north western side of 6.9 Sq.ML as extension of WDD dump, which is not allowed as per the Hon'ble supreme court judgment dated 21.04.2014 in Writ Petition (Civil) No. 435 of 2012 filed by Goa Foundation vrs Union of India and Others all activities like waste dumping, stacking ore , subgrade, mineral rejects, beneficiation, depositing tailings are to be within the lease area. Further as per guidelines of IBM Mining plan manual-2014 also the disposal of waste dumping, stacking ore , subgrade, mineral rejects, beneficiation, depositing tailings are to be within the lease area. Accordingly the proposal should be modified in relevant para and other text of document and respective plans and sections.

#### **USE OF MINERAL and MINERAL REJECT**

36. Describe briefly the requirement of end-use industry specifically in terms of physical and chemical composition of the mineral with documentary evidence. The authenticated document like MoU signed by competent authority for the requirement of quality of mineral required for steel plant specifying of physical and chemical composition of the mineral should be furnished with enclosed as annexure.
37. Give brief requirement of intermediate industries involved in up gradation of mineral before its end-use viz., pelletisation, sinter plants and sponge iron plants etc., in terms of physical and chemical composition of the mineral with documentary evidence.
38. Give detail of requirements for other industries, captive consumption, export, associated industrial use etc. in terms of physical and chemical composition of the mineral in your case it is by steel plant for captive consumption. The authenticated document like MoU signed by competent authority for the requirement of quality of mineral required for steel plant specifying of physical and chemical composition of the mineral should be furnished with enclosed as annexure.
39. Indicate precise physical and chemical specification of mineral stipulated by buyers for selling with documentary evidence.
40. Give details of processes adopted to upgrade the ROM with in lease area including mineral reject if any to suit the user requirements i.e. captive steel plant in terms of physical and chemical compositions viz., like beneficiation processes adopted and also efforts for complete utilization of ROM produced from mines in captive steel plant by blending of mineral, in mineral conservation point of view. The useable mineral above cut-off grade should be proposed to be use in captive steel plant only.

#### **PROCESSING OF ROM AND MINERAL REJECTS**

41. The material balance chart to be revised. The ROM feed grade and tonnage with recovery%, grade and tonnage of product at each stage of processing may be shown in the flow sheet along with block diagram both for existing and the proposed benefaction plant. The details should be for both dry and wet process.
42. The summary of the physical and chemical composition of feed material for the existing beneficiation process for both wet and dry circuit along with different output products physical and chemical composition (with nomenclature of product) should be furnished with recovery percentages. The same should also be furnished for the new beneficiation process that is proposed for tailings and low grade fines beneficiation.



43. It should be furnished that whether the new proposed beneficiation plant is going to be operational in this plan period or else it is only going to be constructed. The study report of the new benefaction process should be enclosed.
44. The flow sheets, diagrams, are not legible/clear. Necessary legible flow sheets and diagram should be submitted.
45. The existing stock of tailings already disposed should be furnished in the following format

**Existing slime/tailings stocks:**

Sl. No	Tailings nomenclature	Location in UTM coordinates	Area occupied		Volume in Cu.m.	Quantity in (Tonnes)	Grade
			(m <sup>2</sup> )	(ha)			

The grade of the above material should be furnished only after chemical analysis of the material carried out by third party in NABL laboratory including sample collection. The analysis reports should be annexed.

46. It is furnished as tailings of 12 to 12.5% of total feed and 20% of beneficiable ore feed will be generated. Elaborate the same in clarity.
47. The quality of tailings disposed should be furnished in terms of physical and chemical composition of the material to be disposed at tailings site.
48. It is proposed to dispose the tailings in 6.9 sq.mile lease area during the plan period, but as per the Hon'ble supreme court judgment dated 21.04.2014 in Writ Petition (Civil) No. 435 of 2012 filed by Goa Foundation vrs Union of India and Others all activities like waste dumping, stacking ore , subgrade, mineral rejects, beneficiation, depositing tailings are to be within the lease area. Further as per guidelines of IBM Mining plan manual-2014 also the disposal of waste dumping, stacking ore , subgrade, mineral rejects, beneficiation, depositing tailings are to be within the lease area. Accordingly the proposal should be modified in relevant para and other text of document and respective plans and sections.

**OTHERS**

49. Information in respect to the proposed manpower both on role and contractual has to be mentioned separately in the text.

**PROGRESSIVE MINE CLOSURE PLAN**

50. Existing base line information to be furnished on the basis of environment monitoring parameter carried out. The environment monitoring data of last one year to be enclosed for ready reference.

**PLATES (General):**

51. The plans and sections to be submitted as per the scale relaxations specified in approval letter by IBM or otherwise all plans and sections to be submitted on scale of 1:1000 or 1:2000 scale.
52. Authentic lease area plan signed by the competent authority over an area of 1312.86 ha should be submitted
53. Show a scale of the plan at least twenty-five centimeters long and suitably sub-divided. The conventions provided under the Metalliferous Mines Regulations, 1961, shall be used in

preparing all plans and sections. All plans and sections should comply with the provisions of Rule 32 of MCDR 2017. The plans and sections submitted should bear the certificate that - the plans and sections are prepared based on the lease map authenticated by the state government. All plans and sections should be signed with date by Qualified Person. Date of observation of Magnetic meridian should be shown in all plans.

54. Along with local grid coordinates, UTM coordinates should also be provided in the grid lines and latitude/longitude coordinates should be mentioned adjacent to boundary pillars in all plans and sections.
55. The UPL has to be redrawn based on provision of UNFC boundaries as per MEMC Rules 2015 and should be shown in red color in all relevant plans and sections.
56. The existing and proposed bench positions clearly with mRL to be mentioned in the all plans and sections.
57. Date of survey should be given on plan and sections and the same should be signed by with date. Grid Lines to be shown in all sections - Geological Sections, Development Sections, Conceptual sections, Dump sections etc.
58. The lithology should be shown in all relevant sections.
59. Year wise development plan and sections should be submitted in the scale of 1:1000 as mentioned in the approval letter.
60. All plans and sections should be signed with date by certified Surveyor, Qualified Person, Mine Manager, Mining Engineer and Mining Geologist

**Key Plan:**

61. The key plan should incorporate all features as mentioned Rule 32 5 (a) of MCDR 2017 and all features should be shown in index as well.
62. Approach road to lease area should be shown in key plan. The Latitude/longitude of the extreme ML pillar coordinates should be marked in key plan. Wind rose diagram should be depicted.

**Surface Plan:**

63. UTM coordinates to be mentioned along with local coordinates along the grid lines. The features shown in the index is not distinguishably shown in the plan. Diverted forest area to be shown in the plan as well as marked in the index of the map. The UPL should be shown over the plan and in index. Necessary corrections to be done.
64. Few boundary pillars should be correlated with some permanent ground features giving distance and bearing/direction. Nomenclature of the existing waste and mineral reject dumps along with fines stack should be mentioned.
65. All the boundary pillars coordinates should be furnished in a tabular format. The Surface Plan should be prepared to satisfy the provision as laid down rule 32 (1) (a) of MCDR'2017.

**Geological Plan & Section:**

66. In the Geological plan, the UTM coordinates should be mentioned along with local coordinates along the grid lines. Geological sections should be prepared from end to end of lease area so that entire lease area should be covered. The scale of plan and sections should be same.

67. Geological Plan should be updated with revised boreholes proposal as mentioned under future exploration program. The redefined UNFC boundaries and UPL along with UNFC code should be prominently shown in Geological Plan and sections. All the lithology within and outside the UPL to be shown in the Geological sections. Necessary corrections to be done in all the sections.
68. Geological sections should be revised. Particularly the resources/reserves should not be projected in the section if it is not proved through borehole. Necessary corrections to be done in Geological sections, calculations, text, tables etc.
69. The proposed boreholes to be plotted in dotted lines in Geological sections along with proposed borehole number, RL and proposed closing depth at the bottom of the borehole. The year wise proposal for drilling to be shown in different contrasting color in both Geological Plan and Geological sections. The year wise color of the boreholes proposed in Geological plan should match with the plotted proposed boreholes in Geological sections.
70. The index of Geological features should be same in both Geological Plan and all the Geological sections. In Geological Plan, longitudinal section line to be shown and a longitudinal section to be submitted.
71. The color of the UPL should be same in all plans and sections. In the Geological sections, the revised UPL and benches should be drawn properly. The blank area shown in geological sections above UPL should be filled with relevant lithology.
72. The Geological Plan should be prepared to satisfy the provision as laid down rule 32 (1) (b), (c) and (d) of MCDR'2017.

**Development plan & Section:**

73. Quarry name, existing and proposed waste dump, mineral reject dumps etc. to be shown in the development plans and sections.
74. The lithology of the area should be clearly shown in year wise development plan and sections in the area proposed for development.
75. Each year development proposal for different blocks should be shown separately in different color. The UPL may be redefined and benching pattern of existing and proposed to be made in all development plans and sections. The UPL should be shown in Red color which should contrast to the year wise development proposal color shown in development plan and sections. The existing and the proposed quarry positions year wise should be properly demarcated.
76. The RL of the benches should be clearly shown in year wise development plan and sections. The profile of development sections should match with the contour of the respective plans.
77. In the development sections the blank portion within the UPL should be properly defined with lithology. Necessary corrections to be done at all relevant places. UNFC codes should be shown in development sections.

**Environment plan:**

78. The Environment Plan as prepared should satisfy the provision as laid down rule 32 (5) (b) of MCDR'2017.
79. The proposed environment protective measures to be shown in environment plan. The drainage pattern of the lease area also to be shown on the plan. Air, water and noise



monitoring stations to be shown in the plan. Wind rose diagram should be shown with predominate wind direction

#### **Reclamation plan**

80. Reclamation plan should be submitted as per IBM appraisal of mining plan describing the proposals to be implemented for reclamation and rehabilitation of mined-out land including the manner in which the actual site of the pit will be restored for future use. The proposals may be supported with yearly plans and sections depicting yearly progress in the activities for land restoration/ reclamation/rehabilitation, afforestation etc,

#### **FA Plan/PMCP**

81. The area under different heads of FA table should be properly shown in different hatching with present area and additional area in FA plan. The FA table should be furnished.

#### **ANNEXURES**

82. Photo Identity Card of Lessee/Nominated Owner with permanent address proof should be submitted.
83. All the previously drilled borehole logs should be enclosed in format with the document. The lithology of the borehole logs should match with the lithology shown in Geological sections.
84. Resolution of board of Directors regarding nominated owner should be enclosed.
85. All the annexure to be properly numbered/paged and relevant annexure to be signed by Geologist/surveyor/QP etc. It is observed that many of the annexures are not legible. A legible copy of same to be enclosed.
86. Copy of bank guarantee should be enclosed. Photographs of boundary pillars should be enclosed.
87. Copy of quality of air, water, soil, noise and other environmental a parameters monitoring report of the last year should be enclosed.
88. The copy of the qualification & experience certificate in respect of the QP to be enclosed.
89. Approval letter of scale relaxation to be submitted.

R. Daley  
16/10/19  
Sr. Acom