



Karnataka State Minerals Corporation Ltd.

[Formerly Known as Mysore Minerals Limited]

(A GOVT. OF KARNATAKA UNDERTAKING)

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(ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಉದ್ಯಮ)

No.KSMCL//SIOM-LEASE 2629/2022-23/ 159

Date :23.05.2022

To,
The Dy. Conservator of Forest
Ballari Circle
Ballari.

Sir,

Sub:- Diversion of 22.2887 hectares (Revised from 23.863 Ha) of forest land in Swamymalai Block, Sandur Range, Sandur Tq, Ballari Dist for Pipeline Conveyor Belt at Subbarayanahalli Iron Ore Mine ML No.2629 in favor of M/s.Karnataka State Minerals Corporation Limited (Erstwhile Mysore Minerals Ltd) (Proposal NO.FP/KA/MIN/48923/2020 (FORM-A)-Reg.

Ref:- Your office letter No.M1/MNG/KSMCL(MML)ML-2629/2021-22 Dt.16.04.2022

We are in receipt of your letter under ref above, the queries have been attended to and the reply for the information sought is submitted herewith the following points on the technical grounds for consideration pertaining to width of 15mtr road and 20mtr conveyor belt.

1. Down the Hill Conveyor Belt system is a site specific activity which varies from

- Flat terrain to undulated terrain
- Normal gradient to steep gradient for road
- Maintenance of road gradient in 1:16 with cross slope
- Stability of the ground strata

2. The SIOM downhill Conveyor Belt is located in hilly terrain.

Though we have proposed 15 meters road width, the actual enjoyment of road will be 9 mtrs. Other important features given below should also be incorporated for the safety, Proper shape and slope gradient of the road design.

- The road design will additionally require 1.5mtr for drainage on higher side of the road to reduce the volume of running water. Also, since the path is very steep, the velocity of running water should be arrested to avoid the erosion.

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CIN : U85110KA1966SGC001620

- The waste generated from the cutting for road will be put across the road towards the down side for leveling of the road, for which 3mtr width will be utilised.
- 1.5mtr width will be utilised to maintain 45degree slope cutting
- The road also requires more width during the construction phase of Conveyor belt to support the movement of heavy machineries and high length pillars (around 20 mtrs ht).

3. Justification for conveyor belt width of 20mtrs.

- During the erection phase of installation of conveyor belt, movement of huge earth excavator for installation of very high pillars are involved.
- The soil excavated has to be stored around the excavated pit. As a result more area is required.
- Also for maintenance of the conveyor belt system at regular intervals, 20m width is required for free movement.
- It is very difficult to maintain less than 20mtr for conveyor belt.

Therefore, the bare minimum width of 15mtr required for road and 20mtr for conveyor belt considering the site parameters.

Catchment Area Treatment Plan (CATP) submitted for your kind reference

Thanking you,

Yours faithfully
For Karnataka State Minerals Corp. Ltd.

Asst. General Manager (P)
Subbarayanahalli Iron Ore Mines,
Sandur.

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