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**Justification for requirement of Service Roads for Downhill
Pipe Conveyor (Devadari Iron Ore Mine ML No. 2290)**

The Downhill Pipe conveyor (DHPC) from Devadari Iron Ore Mine ML No. 2290 is proposed for connecting to the Main Pipe/Trunk Conveyor (Unique proposal no. FP/KA/OTHERS/19136/2016) in Sy. No. 89 i.e. Nandihalli Railway Siding of M/s. JSW Steel Ltd. The ratio of elevation difference to the corridor length of the DHPC for Devadari Iron Ore Mine is 260 m to 710 m.

On the other hand, in case of DHPC for Rama Iron Ore Mine ML No. 2621 (FP/KA/OTHERS/27780/2017), the main approach road itself caters the need of additional service road for installation & future maintenance of the DHPC Trussels at comparatively gentle terrain. In addition to that, the ratio of elevation difference to the corridor length of DHPC for Rama Iron Ore Mine is 200m to 1400 m.

In case of DHPC for Devadari Iron Ore Mine, the contour is too steep for mobilization of heavy machineries such as Cranes, Concrete Millers, and Trailers. For execution of civil works, structural erection & belt laying activity, the above-mentioned heavy machineries will not be able to negotiate with the DHPC Corridor gradient.

Moreover, the main approach road for Devadari Iron Ore Mine is intersecting the conveyor corridor at approximately 200-meter interval at three intersection points, so a few numbers of service roads have been proposed in between them, which will enable the ease of access to the conveyor at every 100-meter interval.

Thus, in case of DHPC for Devadari Iron Ore Mine ML No. 2290, the proposed service roads are essential to enable us for carrying out the erection works and subsequent maintenance activities.

Place: Ballari

Date: 21 September 2017

Authorized Signatory

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