

USE OF MINERAL

- a) **Requirement of end-use industry specifically in terms of physical and chemical composition:** Since this mine is captive, entire production will be utilized in the JSW Steel Plant. The Plant specification offered is given below:

Name of the Firm/Company	Chemical Specification	Physical Specification
M/s. JSW Steel Ltd.	+45% Fe	Lumps 10-40 mm
	+45% Fe	Fine 0-10 mm

- b) **Brief requirement of intermediate industries involved in up gradation of mineral before its enduse:** Since this mine is captive, entire production will be utilized in the JSW Steel Plant. Hence, no intermediate industries are involved in up gradation of mineral.

- c) **Detail requirements for other industries, captive consumption, export, associated industrial use etc.:**

- i. Entire quantity of Iron ore mined (as captive) from this mine will be utilized in JSW steel plant.

Name of the Firm/Company	Chemical Specification	Physical Specification
M/s. JSW Steel Ltd.	+45% Fe	Lumps 10-40 mm
	+45% Fe	Fine 0-10 mm

- ii. As per the requirement of the steel plant, there is also a proposal to transport the RoM directly to the steel plant as ore beneficiation Unit already exists and is operational in the plant. Alternately, RoM could also be sent through stockyard by appropriate prevailing system of transportation.

- d) **Precise physical and chemical specification stipulated by buyers:** Presently the material produced will be transported to M/s. JSW Steel Plant for its own captive use, so there are no stipulated buyers.

- e) **Details of processes adopted to upgrade the ROM to suit the user requirements:** The high grade and low-grade mineral will be blended proportionally to meet the requirement of steel plant and it will benefit to mineral conservation. Crushing/Screening plant of 250 TPH is proposed to process the RoM of up to 500 mm size. The plant will process the mineral to different sizes like-10mm (fines)/or 10-40mm (C-ore).The sized products will be stacked separately at the designated stock yard in the lease area for further transportation to JSW Steel Plant. Further, up-gradation of material will be carried out in Ore beneficiation plant situated inside JSW Steel plant.

