**Cover letter**

This is to certify that the research work titled **“Bulk Raw Materials Handling and Blending Techniques of Sinter Plant: A Case Study of Ajaokuta Steel Company Limited, Kogi State, Nigeria**

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**The novelty and importance of the research has to do with the** Bulk raw materials handling plant and sintering plant preparatory plants which are established to receive, blend, stockpile, prepare and supply specified grades of raw materials for smooth operations of iron making plant (Blast furnace), steel making plant (Basic oxygen converter) and lime Plant(calcinations plant).The research work highlighted the bulk raw materials handling units of the Ajaokuta Steel Company Limited and some general problem of scientific analysis and documentation of basic equipment details, stockyard facilities, bulk materials transport systems and sinter processes. The research also discusses the general knowledge and operational procedures of these plants for effective and efficient operational processes for optical results. The needed bulk raw materials like Iron ore concentrate that are supplied from the mines to some extent have fluctuated chemical compositions as a result of the nature of the deposit with various factors controlling beneficiation processes and addition of metal-bearing materials collected as a waste product from the Rolling Mills, Blast Furnace and Sinter Plant which must be recycled through Iron ore concentrate stockyard. The part of the sinter mixture is melted at a temperature about 1300-1480 ° C and a sequence of reactions shaping the sinter cake to be loaded into the blast furnace to produce iron from a pig. Conclusion and recommendations were also presented to assist the operators of these plants to achieve the needed results.

The research work has not been sent to any journal for consideration neither in part nor in whole. The authors therefore take the responsibility of all the content in the paper and wish that your journal publishes the paper on our behalf.

Thanks



Ocheri Cyril

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