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## **Production of high quality iron ore briquettes using coconut-shell charcoal and ‘aruwakkalu lime’**

D.R.D. Kumara\*, S.P. Guluwita, K.L.S. Weerasinghe and  
D.M.C.C.B. Ranaraja

*University of Moratuwa, Bandaranayake Mawatha, Katubedda, Sri Lanka*

The aim of this project was to make iron ore briquettes of sufficient handling strength and quality to be used in blast furnaces, in particular, to experiment a cheap iron ore agglomeration method which would yield briquettes with properties good enough to be reduced under furnace conditions. Developing a feasible method for iron ore briquette agglomeration was the first half of the project, while finding the ideal briquette compositions was the aim of the project afterwards. The expected outcome of this project was to prove that it was possible to make high quality iron ore briquettes from locally available raw materials such as Dela, Aruwakkalu lime and coconut shell charcoal. The expectations to produce an iron ore briquette composition of ideal green strength and firing properties were fulfilled successfully.

Key words: Iron ore agglomeration method, iron ore briquettes

\*roshandodampola@yahoo.com