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SCHOOL OF ENGINEERING
DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

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COAL ANALYSIS

Reference : A11081
Attn : Maamba Collieries
P.O. Box 99
Maamba
Report date : 13.04.2011

Laboratory Results

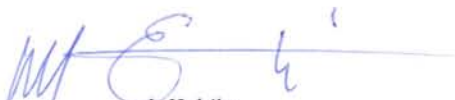
Lab No 110710
Sample ID
Parameter **Coal**

Proximate Analysis

Ash Content (%)	11.5
Moisture Content (%)	8.30
Fixed Carbon (%)	72.0
Volatile Matter (%)	27.1
Normal Heating Value (kcal/kg)	6140

Ultimate Analysis (as Received Basis)

Carbon (C) (%)	72.8
Hydrogen(H ₂) (%)	3.9
Nitrogen(N ₂) (%)	1.40
Oxygen(O ₂) (%)	8.9
Sulphur (S) (%)	0.38
Carbonate (CO ₃) (%)	0.68
Phosphorous (P ₂) (%)	0.12
Moisture Content(H ₂ O) (%)	16.7
Ash Content (%)	22.3
Gross calorific Value (kcal/kg)	6230
Hard grove index (HGI)	68
GP index (mimimum)(mg/g)	220


J. Kabika
Co-ordinator - Environmental Engineering

