

5.2.8 Stage I Coal Analysis

Brown coal samples taken from the 100mm diameter cores during the October-December 1981 drilling programme were submitted to the NATA registered CSR Exploration and Evaluation Group Materials Laboratory for the following analysis:

- . insitu moisture
- . relative density
- . proximate analysis)
- . specific energy) air dried basis
- . total sulphur)

The results of these analysis are summarised in Table 7. A linear regression were performed on these analysis and it was found that a significant correlation can be made between ash, specific energy and relative density.

Consequently, brown coal samples taken from the 100mm core during the March-April 1982 exploration programme will be analysed for the following:

- . insitu moisture
- . ash) air dried basis

5.2.9 Stage II Coal Analysis

Stage II analysis will not be commenced until the results of Stage I analysis have been received and assessed.

Stage II will involve composite samples of proposed mining sections to be tested for:

- proximate analysis
- specific energy
- total sulphur
- specific energy
- sodium
- trace elements)
- ultimate analysis) for selected coal composites
- ash analysis

5.2.10 Future Exploration

An exploration drilling programme is proposed for early 1983.

Work will be directed at delineating the extent of seams within all three sub-basins and defining the limits of the sub-basin boundaries.

Exploration will be undertaken in other areas of the EL to identify further shallow occurrences of Tertiary brown coal and Parmeener Super Group black coal.