

**QUALITY SPECIFICATIONS FOR TAIPOWER'S SPOT  
CONTRACT OF IMPORTED BITUMINOUS COAL – Quality II-2**

March, 2004

Item	Minimum / Maximum
1. Gross Calorific Value (kcal/kg) A.R.	5,500    Min. (Remark 1)
2. Total Moisture    (%)    A.R.	15    Max. (Remark 2)
3. Ash Content    (%)    A.D.	15    Max.
4. Sulphur Content    (%)    A.D.	1.1    Max.
5. Volatile Matter    (%)    A.D.	28    Min.
6. Fixed Carbon    (%)    A.D.	60    Max.
7. Grindability (H.G.I.)	42    Min.
8. Ash Fusion Temperature (reducing, H=W)    (°C)	1,150    Min.
9. Size (mm)	>50 mm    5 %    Max. < 2 mm    30 %    Max.
10. Na <sub>2</sub> O in Ash    (%)	2    Max. (Remark 3)

Remarks:

1. Gross Heating Value greater than 6,900Kcal/Kg will be treated as 6,900 kcal/kg.
2. Total Moisture can be raised to 22% max if Ash Content is less than 10%.
3. If (a).CaO + MgO > Fe<sub>2</sub>O<sub>3</sub>, and (b).CaO + MgO + Fe<sub>2</sub>O<sub>3</sub> > 20%, then Na<sub>2</sub>O in Ash can be raised to 5.0% max.
4. A.R. means As Received Basis; A.D. means Air Dried Basis.
5. For each calendar year, the total nominal quantity of imported "General Bituminous Coal" procured under "Spot Purchase" with guaranteed Grindability between 45 and 42 shall not exceed 15% of the total nominal quantity of imported "General Bituminous Coal" procured under "Spot Purchase".
6. The above quality specifications are subject to change at Taipower's discretion.