

## *Cassia* sp. *Kalpowar* (D.G.Fell DF2769)

Family:  
Fabaceae

Provisional HISPID phrase name.

### Stem

Grows into a small tree not exceeding 30 cm dbh.

### Leaves

Leaflets about 6-12 in each compound leaf, usually 10. Leaflet about 4.5-9 x 3-4.2 cm, leaflet stalks about 5-7 mm long. Stipules ca. 1 mm long, clothed in reddish hairs, falling very quickly. Ca. 15 lateral veins on each side, depressed above.

### Flowers

Flowers 30-35 mm diam., pedicels 3-4 cm long; pedicel articulated in upper half. Each pedicel subtended by a bract 4-6 mm long, above which there are two smaller bracteoles; pedicels densely clothed in short reddish hairs. Sepals unequal, 7-10 mm long; petals more or less equal, 20-22 mm long, obovate; anterior petal with red at base. 3 petals face up, 2 face down. Stamens unequal, 5 types: a) 3 long under ovary with 2 curves ca. 20 mm long; b) 2 short above ovary ca. 13 mm long; c) 2 "wings" ca. 8 mm long; d) 2 side anteriors ca. 7 mm long; e) 1 anterior 5 mm long. Ovary and style hairy, curved ca. 15-20 mm long. Ovules numerous, in 2 rows.

### Fruit

Pods 30 cm or more long, moniliform, +/- circular in transverse section.

### Seedlings

Cotyledons about 16-19 x 7-9 mm. First leaf compound with 4-6 leaflets. At the tenth leaf stage: stipules small, about 0.5 mm, triangular, clothed in red hairs. Stem, petioles and the terminal bud also clothed in red hairs. Taproot swollen. Seed germination time 9 days.

### Distribution and Ecology

Occurs in NEQ, known only from collections made on Kalpowar Pastoral Holding in far northern NEQ. Altitudinal range not known but probably low, being found at 100 m. Grows in monsoon forest and rain forest.

### RFK Code

1182



Flowers. © G. Sankowsky



Flowers. © A. Ford & F. Goulter



Leaves. © G. Sankowsky



10th leaf stage. © CSIRO



Cotyledon stage. © CSIRO



Web edition hosted at <https://apps.lucidcentral.org/rainforest>