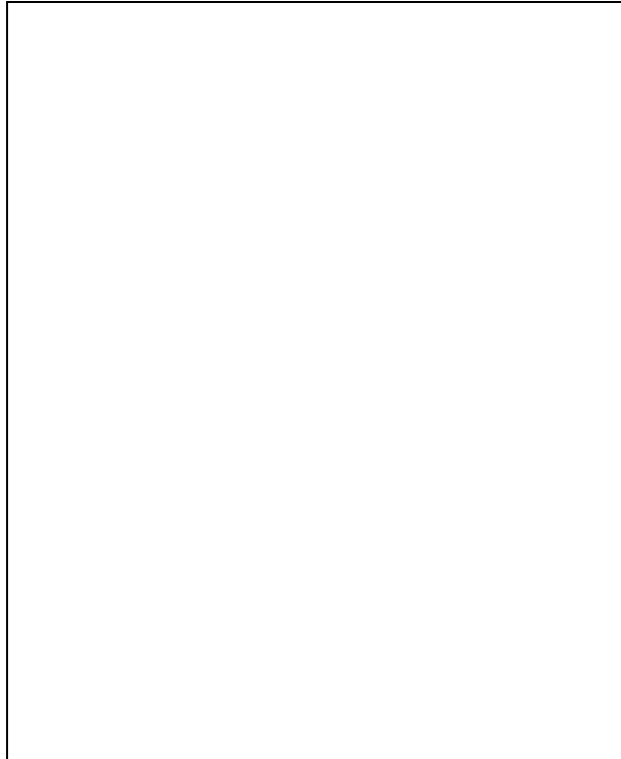


## LENTIBULARIACEAE

### *Utricularia arenaria* A. DC.

**Description:** Herbs; rhizoids capillary, few to many, at base or just above the base of inflorescence; stolons up to 5 cm long or more, filiform, branched. Foliar organs 2-15 mm long, obovate to oblanceolate at base of inflorescence and scattered on stolons, 1-nerved, rounded at apex. Traps 0.3-1 mm across,



ovoid, on vegetative organs, stalked; mouth terminal; appendages of radiating comb-like rows of gland-tipped hairs. Racemes up to 20 cm long, erect, filiform, usually papillose at base, 1-5-flowered; scales basifixed; bracts up to 1 mm long, basifixed, ovate-lanceolate, 1-nerved, acute at apex; bracteoles up to 1 mm long, basifixed, lanceate, 1-nerved, acute or obtuse at apex; flowers 1.5-7 mm long; pedicels 0.5-1 mm long. Calyx-lobes 1-2 mm long; upper lobe broadly ovate to orbicular, obtuse to acuminate at apex; lower ovate to oblong, truncate or rounded at apex. Corolla white or lilac with yellowish upper lip and purple or yellow blotch at the base of lower lip; upper lip longer than calyx-lobe, wider at base, truncate, emarginate or rounded at apex; lower lip orbicular or more or less quadrate, gibbous, crested at base; spur 1.5-6 mm long, horizontal, parallel to lower lip, subacute at apex. Stamens c 1 mm long; filaments curved, filiform; anther thecae subdistinct. Pistil c 1 mm long; ovary ovoid; styles short; stigma 2-lipped, lower more or

less orbicular, upper deltoid or semi-orbicular. Capsules 1-2.5 mm across, broadly ovoid or globose, dehisce by marginally thickened adaxial and abaxial vertical slits; placenta areolate. Seeds conical, truncate, usually angular, numerous; testa smooth, cells small, more or less oblong.

**Fl. & Fr.:** September.

**Habitat:** Open wet places.

**Pollen:** 6-(sometimes 5-) colporate, 30 x 25  $\mu$  (Huynh, 1968); 6-colporate, 26 x 28  $\mu$  (Taylor, 1989).

**Distribution:** India - Pachmarhi hills of Madhya Pradesh. Africa, Madagascar and India.

**Notes:** This African species was collected in India from Pachmarhi hills of Madhya Pradesh. Its occurrence in Rajpur, Dehra Dun as reported by Raizada & Saxena (Fl. Mussoorie I: 525. 1978) is erroneous, as the specimens quoted by them (Saxena 2327B, Rajpur, 950 m, 1.10.1961, DD) have since been identified as *U. minutissima* Vahl.

#### **References:**

Huynh, K.L. 1968. Etude de morphologie du pollen genre *Utricularia* L. Pollen et Spores 10: 11-55.

Janarthanam, M.K. & Henry, A.N. 1992. Bladderworts of India. Pp. 29-30.

Taylor, P. 1989. The genus *Utricularia* - a taxonomic monograph. *Kew Bull. Add. Ser.* 14: 1-724.