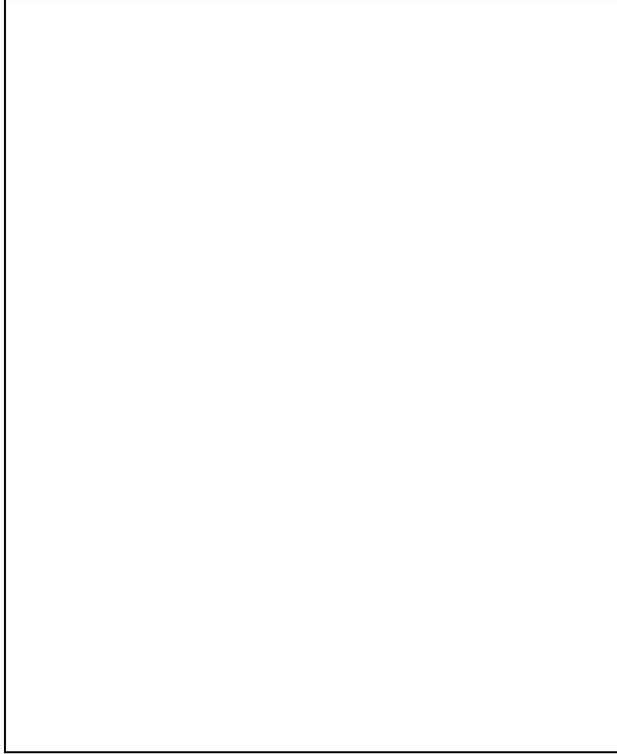


LENTIBULARIACEAE

Utricularia nayarii Janarth. & A.N. Henry

Description: Herbs; rhizoids up to 2 cm long, c 0.25 mm thick at base, glandular; branches up to 4 mm long, simple or branched further, papillose; stolons up to 3 cm long, c 0.2 mm thick, sparsely branched. Foliar organs up to 5 cm long, 1-2.5 mm wide, linear, solitary at peduncle base and scattered on stolons,



3-nerved, nerves branched further, rounded at apex. Traps 1-1.5 mm across, globose; stalk distally thickened; mouth basal; appendages 2, subulate, simple, glandular. Racemes up to 18 cm long, c 0.6 mm thick, angular, grooved on one side, glabrous, 1-5-flowered; scales similar to bracts; bracts up to 2.2 x 1.8, basifixed, broadly ovate-deltoid, 1-nerved, acuminate at apex; bracteoles up to 1.8 mm long, subulate; flowers up to 8 mm long; pedicels 3-5 mm long, winged, erect at anthesis, spread in fruit. Calyx-lobes unequal; upper lobe 2.5-5 x 3-4 mm, broadly ovate, acuminate at apex; lower 2.8-6 x 2.2-3.3 mm, linear-ovate in flower, more or less elliptic in fruit, bi- or tridentate at apex. Corolla white to violet; upper lip 4-4.5 mm long, more or less oblong, constricted at middle, rounded to emarginate at apex; lower lip 4.5-7.5 x 5-7 mm, suborbicular to obovate, hairy in throat, gibbous at base, rounded-wavy at apex; spur shorter than or equal to calyx-lobe in length, conical, obtuse or notched

at apex, glandular within. Stamens c 1.2 mm long; filaments strap-shaped, slightly curved; anther thecae distinct. Pistil c 1.3 mm long; ovary ovoid, dorsiventrally compressed; style short; stigma bilipped, lower lip truncate, upper semi-orbicular. Capsules c 3 x 2 mm, ovoid, wall uniformly membranous, dehiscent by a dorsal and a ventral longitudinal slits; placenta c 1.5 mm long, ovoid. Seeds c 0.5 mm across, few, subglobose, often angled; testa thick, scrobiculate, reticulate, cells more or less isodiametric.

Fl. & Fr.: October-December.

Habitat: A terrestrial plant, on dripping rocks laden with moss, in association with *Eriocaulon* and *Impatiens* spp. and grasses; above 1650 m.

Distribution: India - Restricted to Idukki district of Kerala and Kodaikanal of Tamil Nadu.

Notes: *Utricularia nayarii* Janarth & A.N. Henry is allied to *U. graminifolia* Vahl, but distinct in its shorter spur, uniformly membranous capsule and scrobiculate testa with more or less isodiametric cells. This species shows somewhat thick, fleshy foliar organs when compared with other species of *Utricularia*.

Taylor (1989) includes this species in *Utricularia uliginosa* Vahl stating "The recently described *U. nayarii*, appears to be a minor variant with the corolla spur somewhat shorter than usual". However, the somewhat thick and fleshy foliar organs, unequal fruiting calyx lobes, bigibbous lower lip of corolla and the shorter corolla spur are very diagnostic. Further in the field the two species are quite different.

References:

Janarthanam, M.K. & Henry, A.N. 1992. Bladderworts of India. Pp. 77-79.

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