Sponsored by Department of Science and Technology,New Delhi.

Haritarium

Family Code: 579
Species code: 4 - 6A

Naoroji Godrej Centre for Plant Research

Habenaria grandifloriformis Blatt. & McCann

Botanical name: **Habnenaria grandifloriformis** Blatt. & McCann
(=*H.grandiflora* Lindl., = *H. rotundifolia* Lindl.,= *H.grandifloriformis* var. aequiloba Blatt. & McC.)

Family : Orchidaceae

Vernacular name:
Threatened category: Not evaluated, but will fit into out of danger category.

Key characters: Ground orchid; Leaves 1-2, present at the base of the stem, ovate to almost orbicular flat on ground, fleshy coriaceous; flower white, sepals without filiform tips two partite petals, lower segment of petals 2-3 times longer than upper one, lobes of the lip sub equal, spur globular at apex; anthers distinctly tricuspidate at tip.

Description: Terrestial herbs. 8 - 15 cm. long, Tubers 1 - 2, 1.8 - 3 X 0.8 - 3 cm. globose or ellipsoid. Leaves 1 - 2, 2 - 9 X 1.5 – 8 cm. opposite, situated at the base of the stem almost touching the ground, coriaceaous, broadly ovate or suborbicular, base cordate, deep grass green above, pale green below. Scape 5 – 15cm. long erect, rigid, terete, longitudinally ribbed. Flowers white, pedicellate, bracteate in one to few fowered recemes. Pedicels 2 – 3 cm. long. Bracts 1 – 2.7 X 0.6 – 1.5 cm. ovate or oblong lanceolate, acute sepals unequal white, acute 6 – 9 X 3 – 5 mm. Broadly ovate, lateral sepals 7 –15 X 3 – 5 mm. Obliquely ovate or suborbicular; lower segment 1 cm long; filiform lip 3 partite 10 –18 mm long; lateral segments filiform, spreading, more or less equaling the mid segment, mid segment linear acute. Spur 20–27 mm. Long, curved, subglobular at apex. Anther cells diverging with a 1 – 2 mm long curved apiculas at the top, tricuspidate, pollinia ovoid,. Stigmatic processes 2 mm. Long. Parallel, white clavate rostellum greenish, in between anther cells. Ovary 2 – 2.5 cm. long. strongly ribbed, green. Capsule 2 – 2.8 X 5 cm. strongly ribbed.

Flowering and fruiting: July – October.

Distribution: India – Western . Peninsula.

Reported Localities: Through out Konkan and Western Ghats AKola, Amravati, Bombay, Kolhapur, Nasik, Pune, Raigad, Ratnagiri,Satara, Sindhudurg, Thane.

Ecology: Commonly found growing in patches of open grazing lands, gentle hill slopes. More frequently near village environs. Altitude ranges between 300-1200m above sea level.

Association: No specific plant association is observed.

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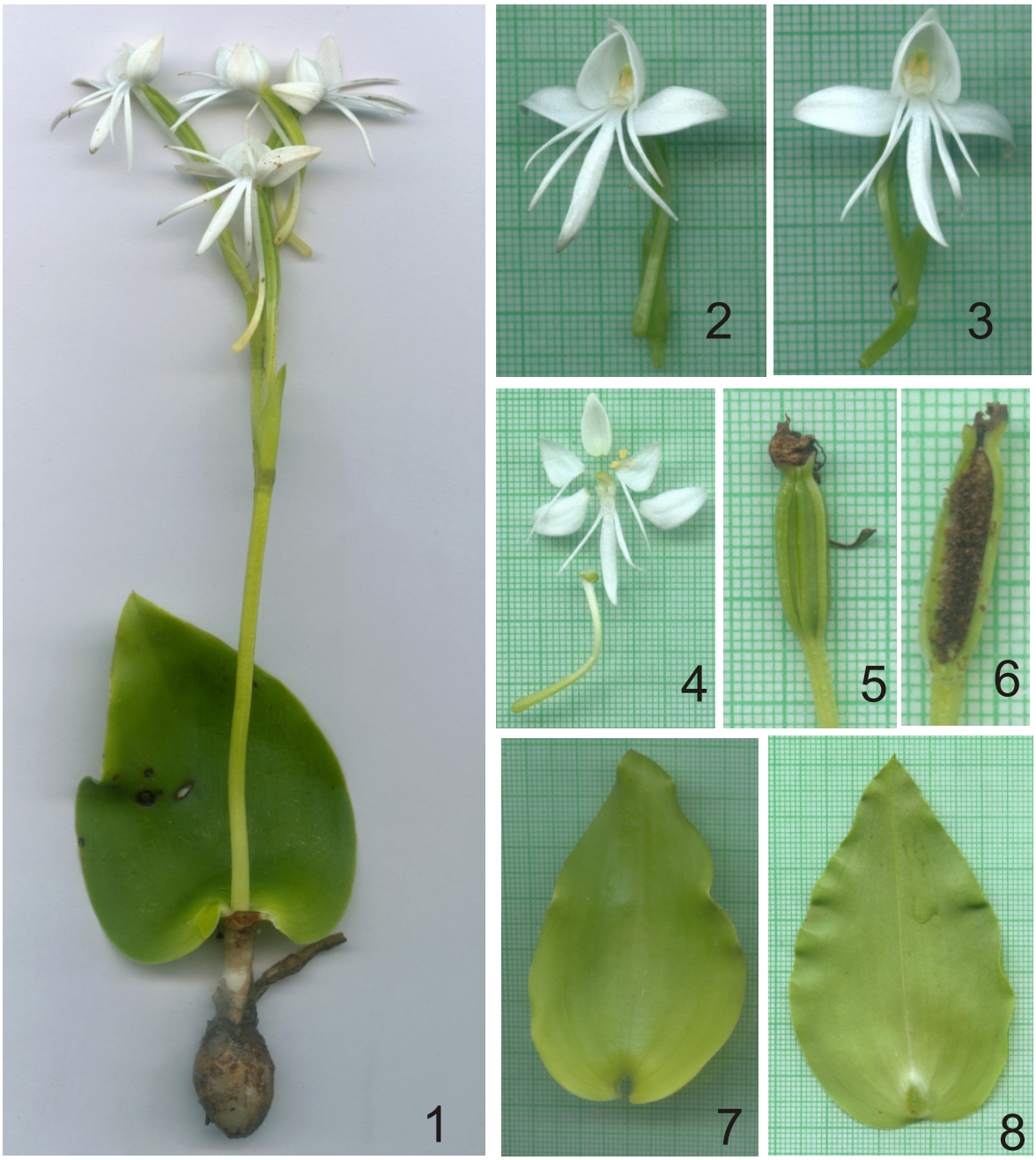
Haritarium

Family Code: 579
Species code: 4 - 6B

Naoroji Godrej Centre for Plant Research

Habenaria grandifloriformis Blatt. & McCann



1.Habit,2.&3.Flower,4.Dissected Flower,5&6.Capsule,
7.Leaf-ventral view, 8.Leaf-dorsal view

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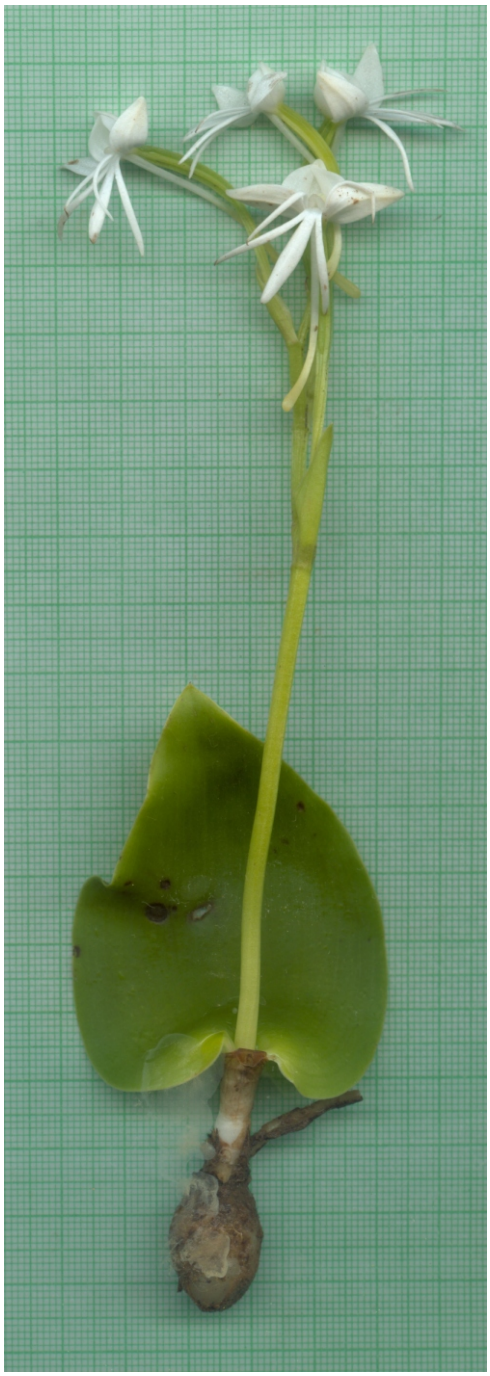
Haritarium

Family Code: 579
Species code: 4 - 6C

Naoroji Godrej Centre for Plant Research

Habenaria grandifloriformis Blatt. & McCann



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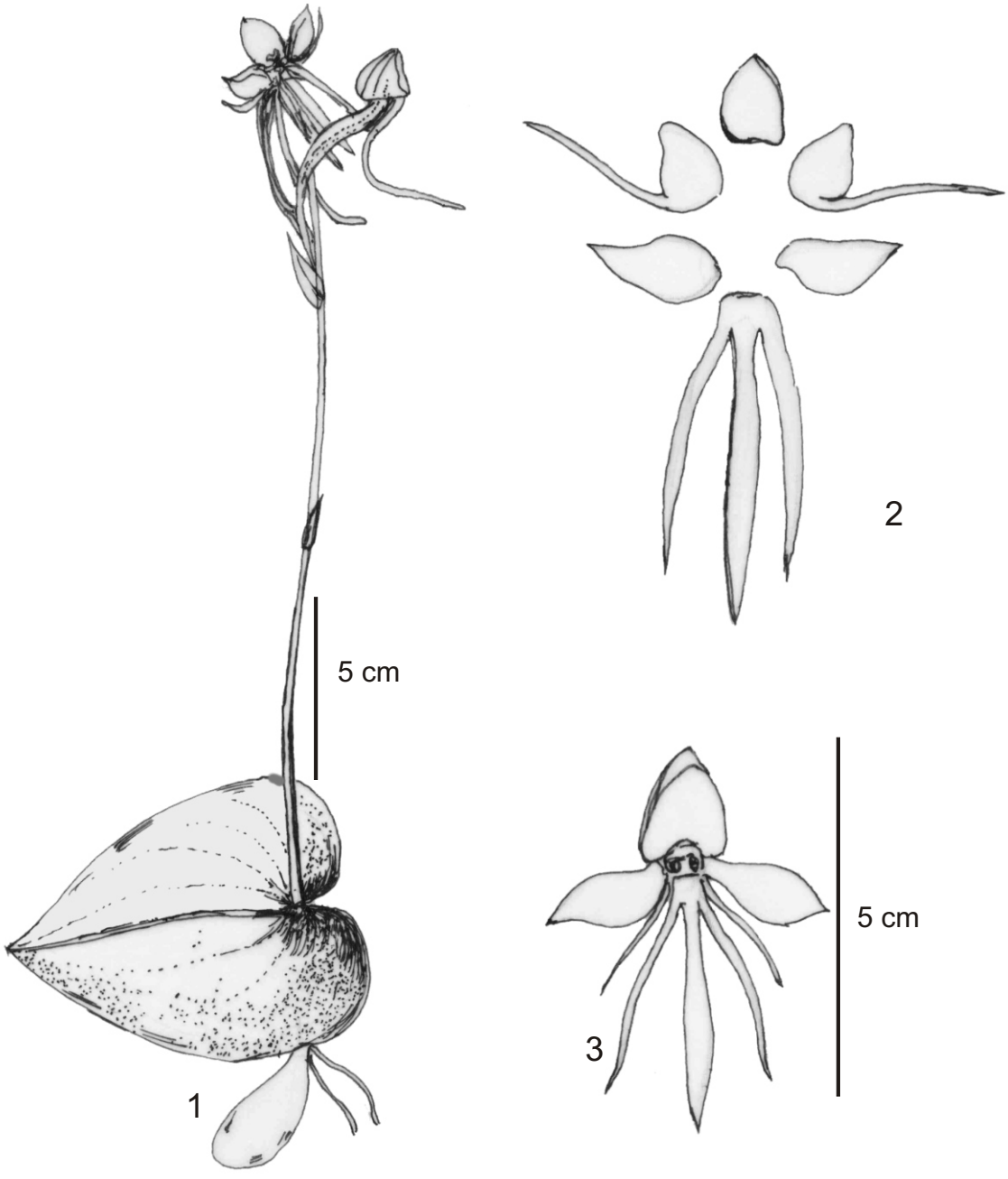
Haritarium

Family Code: 579
Species code: 4 - 6D

Naoroji Godrej Centre for Plant Research

Habenaria grandifloriformis Blatt. & McCann



1. Habit, 2. Dissected flower, 3. Flower.

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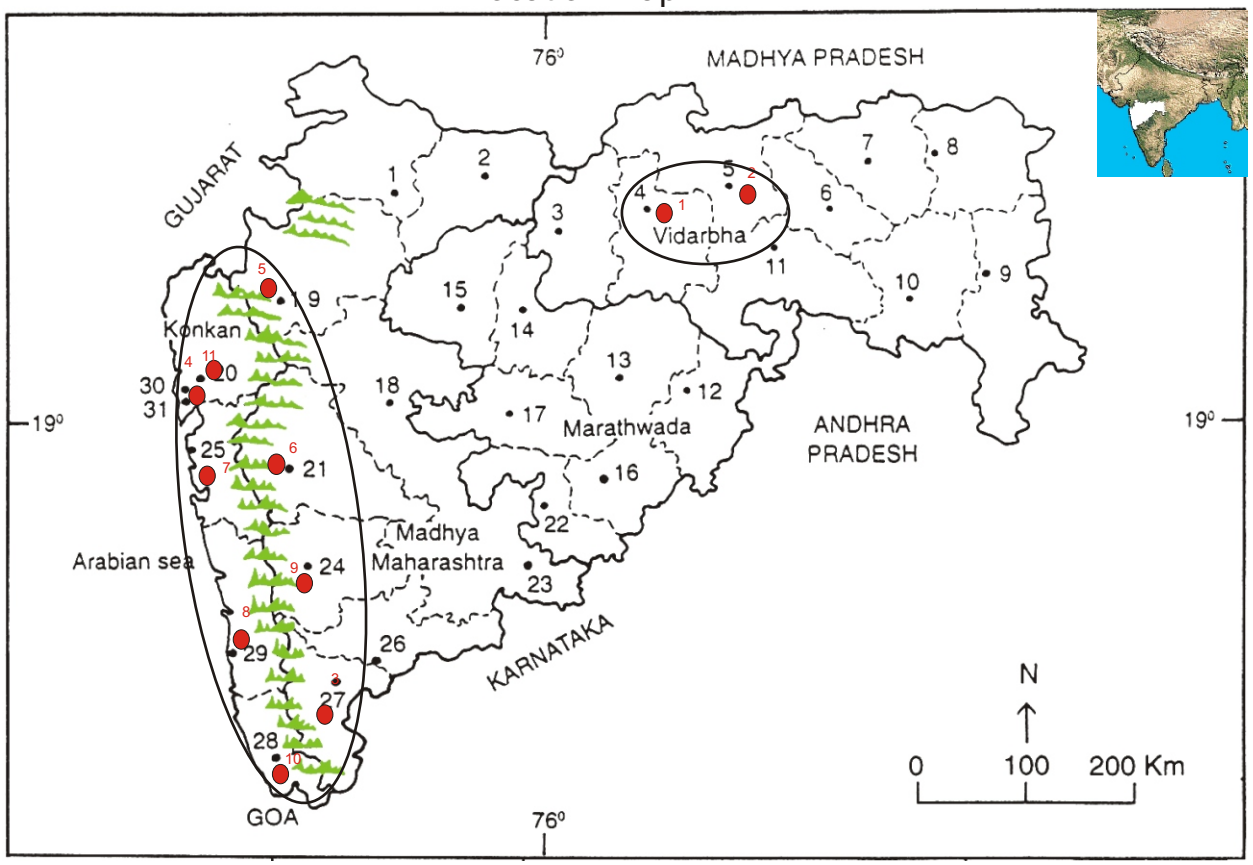
Haritarium

Family Code: 579
Species code: 4 - 6E

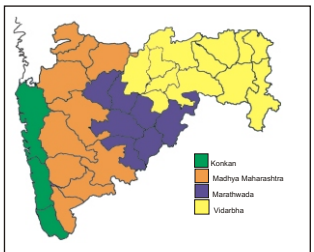
Naoroji Godrej Centre for Plant Research

Habenaria grandifloriformis Blatt. & McCann

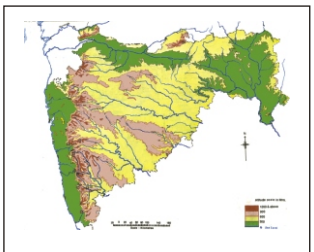
Location map

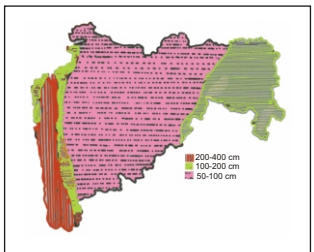


1.Dhule 2.Jalgaon 3. Buldhana 4.Akola 5.Amaravati 6.Wardha 7.Nagpur 8. Bhandara 9. Gadchiroli 10. Chandrapur 11. Yavatmal 12. Nanded 13. Parbhani 14. Jalna 15. Aurangabad 16.Latur 17. Beed 18. Ahmadnagar 19 Nashik 20. Thane 21. Pune 22. Osmanabad 23. Solapur 24.Satara 25. Raigad 26.Sangli 27. Kolhapur 28. Sindhudurg 29. Ratnagiri 30.Mumbai 31.Greater Mumbai.

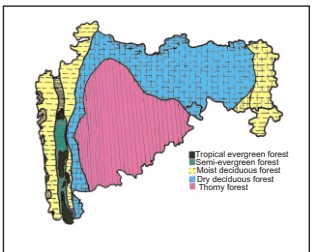


Geographical regions 1


Physical map 2



Rain fall map 3



Forest types 4

Localities- ●

1. Akola, 2. Amaravati, 3. Kolhapur, 4. Mumbai,5. Nasik,6. Pune, 7. Raigad, 8. Ratnagiri 9. Satara, 10. Sindhudurg, 11.Thane.

Geographical distribution in Maharashtra:

Latitude (DMS): Between 21 ^{0} 53'-17 ^{0} 49' N & Longitude (DMS): 72 ^{0} 58'-79^{0}.05' E.

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Haritarium

Family Code: 579
Species code: 4 - 6F

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Habenaria grandifloriformis Blatt. & McCann

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