A CHECK LIST OF TERMITES (INSECTA: ISOPTERA) FROM HARYANA AGRICULTURAL UNIVERSITY CAMPUS, HISAR, HARYANA

Sachin Kumar and R.K. Thakur
Entomology Division, Forest Research Institute, Dehradun - 248 006, India.
e-mail: sk29jan@gmail.com
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ABSTRACT – Fifteen species of termites belonging to the two families Rhinotermitidae and Termitidae and Six genera (Coptotermes, Heterotermes, Microcerotermes, Odontotermes, Microtermes, and Trinervitermes) are reported from Campus of Chaudhary Charan Singh Haryana Agricultural University Hisar, Haryana. Four termite species: Odontotermes distans (Holmgren and Holmgren), O. giriensis (Roonwal and Chhotani), O. latiguloides (Roonwal and Verma) and O. lokanand (Chatterjee and Thakur) are reported first time from Haryana.

Key words: Termite, Isoptera, Hisar.


**Distribution**: Assam, Delhi, Haryana, Punjab, Madhya Pradesh, Orissa, Uttarakhnad and West Bengal. Also known from Bhutan, Bangladesh and Pakistan (Chhotani, 1997).

**Sub-family (iv) MACROTERMITNIAE**


**Distribution**: A very widely distributed species, mostly known from Gujarat, Maharashtra, Orissa and Uttarakhnad (Chhotani, 1997).


**Material**: Four vials with S. and W. collected from Institute of Agriculture Technology Training and Education Institute, H.A.U., Hisar, 10-07-2008, coll. Sachin Kumar, Ex. Wooden pole.

**Measurement (of 5 soldiers)**: Total body length ca 4.82-4.86; Head-length with mandibles 2.58-2.62; Head-length to lateral base of mandibles 1.66-1.68; Maximum width of head 1.22-1.26; Length of mandibles 0.92-0.94; Distance of tooth from the tip of mandible 0.33-0.36; Mandible-tooth index 0.34-0.36; Length of Pronotum 0.50-0.52; Maximum width of Pronotum 0.82-0.84.

**Distribution**: Previous Records: This species is widely distributed throughout India up to an elevation of about 2100 m. in the Himalayas (Thakur, 1981). Also known from Bhutan (Roonwal & Chottani, 1977) and Pakistan (Ahmad, 1955). Present Record: Hisar, it is new record from Haryana.


**Measurement (of 5 soldiers)**: Total body-length with mandibles 4.24-4.30; Head-length with mandibles 1.92-1.94; Head-length to lateral base of mandibles 1.26-1.28; Max. width of head 1.10-1.12; Length of mandibles 0.68-0.70; Distance of tooth from the tip of the left mandible 0.18-0.22; Mandible-tooth index 0.24-0.28; Length of pronotum 0.58-0.62; Max. Width of pronotum 0.74-0.86.

**Distribution**: Previous Records: Arunachal Pradesh, Assam, Gujarat, Manipur, Meghalaya, Orissa, Tripura and Uttarakhnad (Thakur, 1981). Also known from Bangladesh (Chhotani, 1997). Present Record: Hisar, it is a new record from Haryana.


**Distribution**: Widely distributed in India (Jammu and Kashmir, Punjab, Himachal Pradesh, Haryana, Maharashtra, Madhya Pradesh, Rajasthan, Uttarakhnad and West Bengal) and Pakistan (Chhotani, 1997).


**Distribution**: A very widely distributed species, found throughout India except the Eastern Zone (Thakur, 1981, 1989).

9. *Odontotermes latiguloides* (Roonwal and Chhotani)

**Material:** Two vials S. and W. from, Institute of Agriculture Technology Training and Education Institute, H.A.U., Hisar, 11-07-2008, coll. Sachin Kumar, Ex. Wooden boxes. **Measurements (5 soldiers):** Total body length ca 4.44-4.46; Head-length with mandibles 2.00-2.04; Head-length to lateral base of mandibles 1.10-1.12; Maximum width of head 1.00-1.04; Length of mandibles 0.45-0.68; Distance of tooth from the tip of mandible 0.16-0.18; Mandible tooth-index 0.20-0.22; Length of Pronotum 0.52-0.54; Maximum width of Pronotum 0.78-0.82.

**Distribution:** Previous Records: Gujarat and Rajasthan (Chhotani, 1997). Present Record: Hisar, it is new record from Haryana.

10. *Odontotermes lokanandi* Chatterjee and Thakur


**Material:** One vial with S. and W. collected from, H.A.U., Campus, Hisar, 10-07-2008, coll. Sachin Kumar, Ex. Soil.

**Measurements (3 soldiers):** Total body length ca. 3.92-4.00; Head-length with mandibles 1.62-1.66; Head-length to lateral base of mandibles 1.10-1.14; Maximum width of head 1.00-1.04; Length of mandibles 0.55-0.68; Distance of tooth from the tip of mandible 0.16-0.18; Mandible tooth-index 0.28-0.30; Length of Pronotum 0.45-0.55; Maximum width of Pronotum 0.70-0.90.

**Distribution:** Previous Records: Gujarat, Himachal Pradesh, Jammu & Kashmir and Uttarakhand. Also known from Pakistan (Choudhary *et al.*, 1972) and Bangladesh (Akhtar, 1977). Present Record: Hisar, It is first time reported from Haryana.

**Remarks:** Chhotani (1977) treated *O. lokanandi* as a junior synonym of *O. guptai* Roonwal & Bose whereas Thakur (1981) relegated *O. guptai* as a synonym of *O. bellahunisensis* Holmgren and Holmgren. Thakur (1989) studied the series of all the three species and found that they are all different species - *O. lokanandi* belongs to latigula-group whereas *O. bellahunisensis* belongs to obesus-group. Thakur (1981) have been followed there in keeping the separate identity of *O. lokanandi.*
been recorded from all over India, Pakistan, Bangladesh and Sri Lanka. Also reported from Bhutan, Myanmar, Thailand, Kampuchea and Vietnam (Chhotani, 1997).

Subfamily (iv) TRINERVITERMITINAE

15. **Trinervitermes biformis** (Wasmann)


**Material:** One vial with sev. S. and W. from Institute of Agriculture Technology Training and Education Institute, H.A.U., Hisar, 11-07-2008, coll. Sachin Kumar, Ex. Inside heap of grass.

**Distribution:** Widely distributed in India, Pakistan and Sri Lanka. From India, it is reported from Andhra Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Gujarat, Rajasthan, Tamil Nadu and West Bengal (Chhotani, 1997).

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