



WORLD BAMBOO

www.worldbamboo.net



We are about sharing information

**We work to bring people together for
communication, for partnerships, to advance
bamboo regionally and globally.**

www.worldbamboo.net



WORLD BAMBOO





WORLD BAMBOO



We communicate via electronic newsletter, Facebook and LinkedIn, and participation at various bamboo conferences, workshops and informal meetings around the world.

Our newsletter goes to over 3,000 global members from over 42 countries, with over 6,000 followers on FB.

WBO Membership is FREE !

We are VOLUNTEERS from around the world =
a team of World Bamboo Ambassadors



제10차 세계대나무총회 '폐막' 2015담양세계대나무박람회와 함께 열린 제10차 세계대나무총회가 21일 폐막식을 끝으로 445일간 열린 학술 총회로 마쳤다. 대숲에서 찾은 녹색 미래를 주제로 열린 총회에는 전세계 43개국 3200여 명의 관계자들이 참석했다. >관련기사 2면 담양군 제공

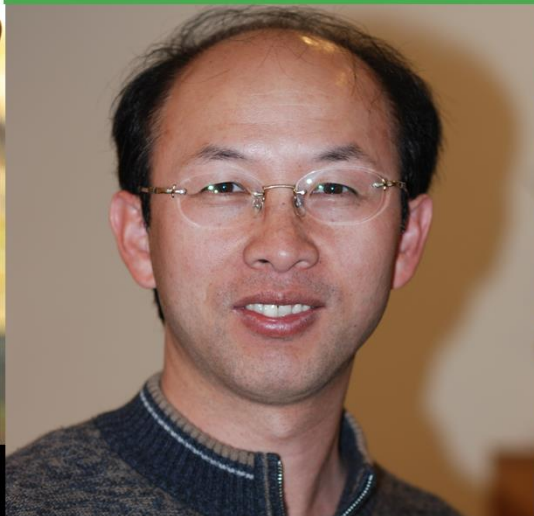


**World
Bamboo
Ambassadors**





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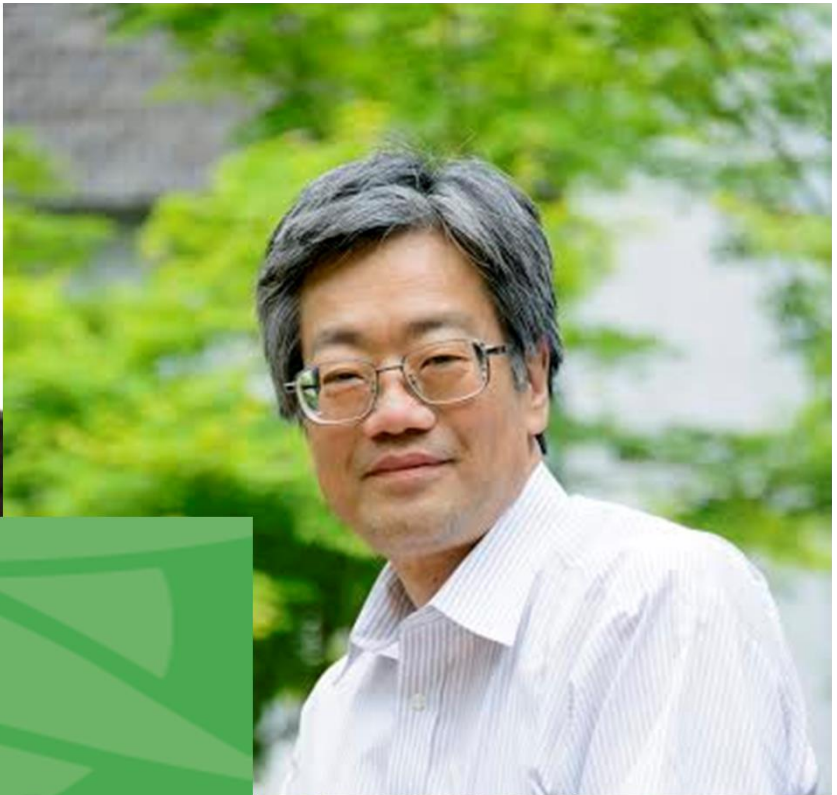


World Bamboo Ambassadors



World Bamboo Ambassadors





**World
Bamboo
Ambassadors**





World Bamboo Ambassadors



We continue to expand our network!



18 September
EVERY YEAR

WORLD
BAMBOO
DAY





18 September / EVERY YEAR

We are about people and bamboo

BAMBOOK
The global bamboo directory



www.worldbamboo.net

World
Bamboo
Ambassadors

Sonja Sheasley
USA





**Dina
Nath
Tewari**

**Every 3 years, we organize the WBC.
~ 2018 Mexico ~ 2015 Korea ~ 2012 Belgium ~
2009 Thailand ~ 2004 India ~ 1998 Costa Rica ~
1995 Bali ~ 1992 Japan ~**





11th World Bamboo Congress
August 2018 – Mexico



12th WBC October 2020

www.worldbamboocongress.org



**WORLD
BAMBOO
CONGRESS**
Taiwan 2020



DESIGN GREEN

World Bamboo Workshop.

World
Bamboo
Ambassadors

World
Bamboo
Workshop



DESIGN GREEN
World
Bamboo
Workshop.

World Bamboo Workshop

Azpitia, Perú
21-25 Febrero 2018

Design Green

Paisajismo Construcción Ingeniería Bicicletas con bambú
Siembra Plantación Manejo Cosecha Poscosecha



USA

SUSANNE LUCAS

World Bamboo Organization



PERÚ

TANIA CERRÓN

Cerrón Arquitectos



MÉXICO

MARTIN MORTERA

Digma Trade



BRASIL

PETER VAN LENGEN

Tiba Arquitectos



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DIEGO CARDENAS

BambooCycles



PERÚ

JUAN CARLOS ATOCHE

Programa Global de Escuelas Seguras del Banco Mundial



PERÚ

NATALIA REATEGUI

Sociedad Peruana del Bambú



PERÚ

GISELA GUTIERREZ

Sociedad Peruana del Bambú

Organizadores



WORLD BAMBOO



CERRÓN ARQUITECTOS



DT DIGMA TRADE



COLEGIO DE ARQUITECTOS DEL PERÚ

Patrocinadores



BANCO MUNDIAL



YMCA



BAMBOOCYCLES



UNIVERSIDAD TECNOLÓGICA DEL PERÚ



LMA



MAYORAL

Colaboradores



EVENT HOPE



INVESTIMIENTOS



VILLA BAMBOO



ARTESANÍA LOS MELIZOS



TUPICO

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APUNTES



TALLER DE ARQUITECTURA



ar&c



LIMA NOTAS

DESIGN GREEN

World Bamboo Workshop.

www.worldbambooworkshop.com



**We see
bamboo
as an
alternative
to timber**

**We promote
planting bamboo
for the
environment and
the economy.**



**BAMBOO is VITAL
for a healthy
ENVIRONMENT and
for COMMUNITY
DEVELOPMENT**



We see potential for housing: from basic temporary relief shelters to improved housing for social development.



A photograph showcasing fresh produce. In the center, two large bamboo shoots with their characteristic yellowish-brown, fibrous sheaths stand upright. To the left, two woven baskets are filled with vibrant green leafy vegetables, possibly watercress or a similar variety. To the right, several dark-skinned potatoes are scattered on a rustic wooden surface. The lighting is bright, highlighting the textures of the bamboo and the freshness of the greens.

**Bamboo is
an
important
food
source and
highly
nutritious**

Edible & delicious !



Environmental potential:

- **Climate Change mitigation**
- **CO₂ / Carbon storage**
- **Restoration of degraded lands**
- **Erosion control and protection of watersheds**

We see potential:

New products:

- > A renewable, sustainable, alternative fiber (biomass)**
- > for composites, textiles, paper, fuel and bioplastics, etc**
- = A modern material for innovative products**





= Industrial potentials!



Raw material: Bamboo, Chaff, Wheat straw, Corn Cob





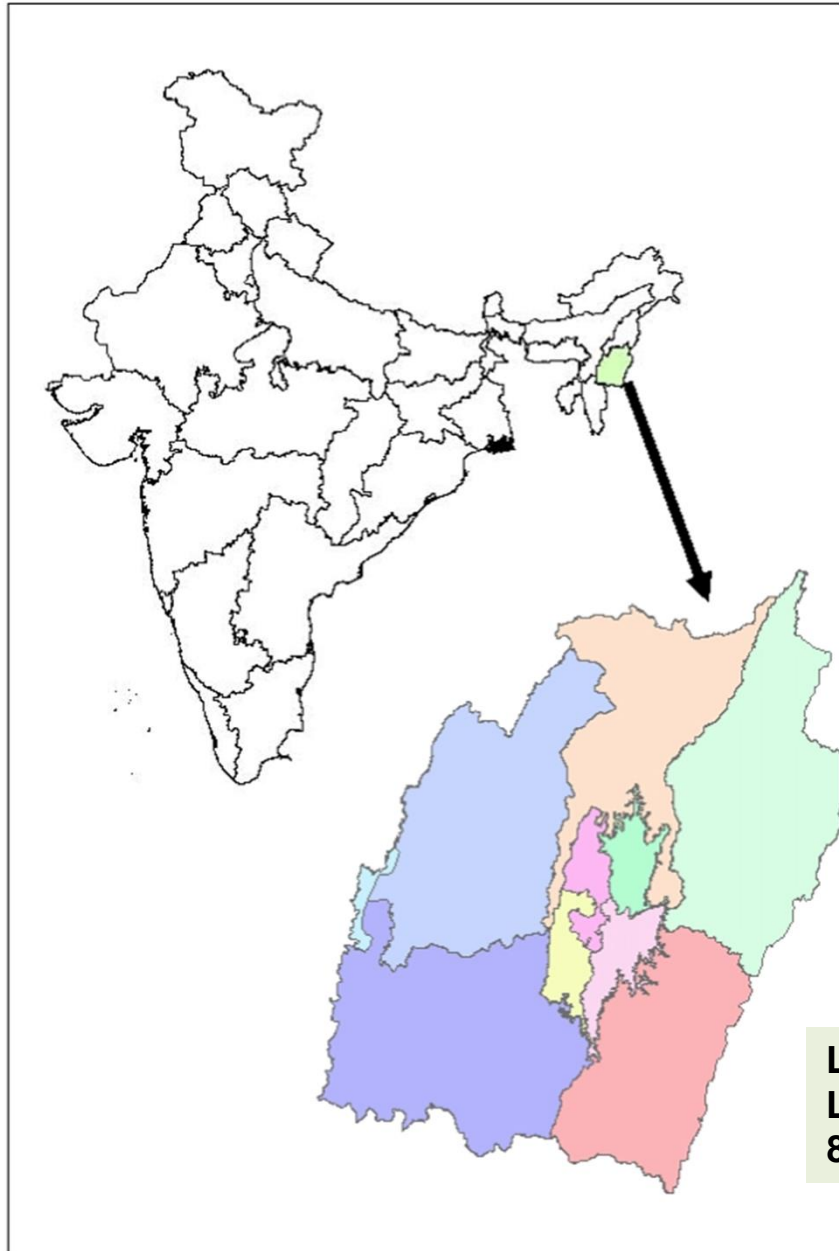
Thanks to
Nirmala Chongtham and
Santosh Oinam!





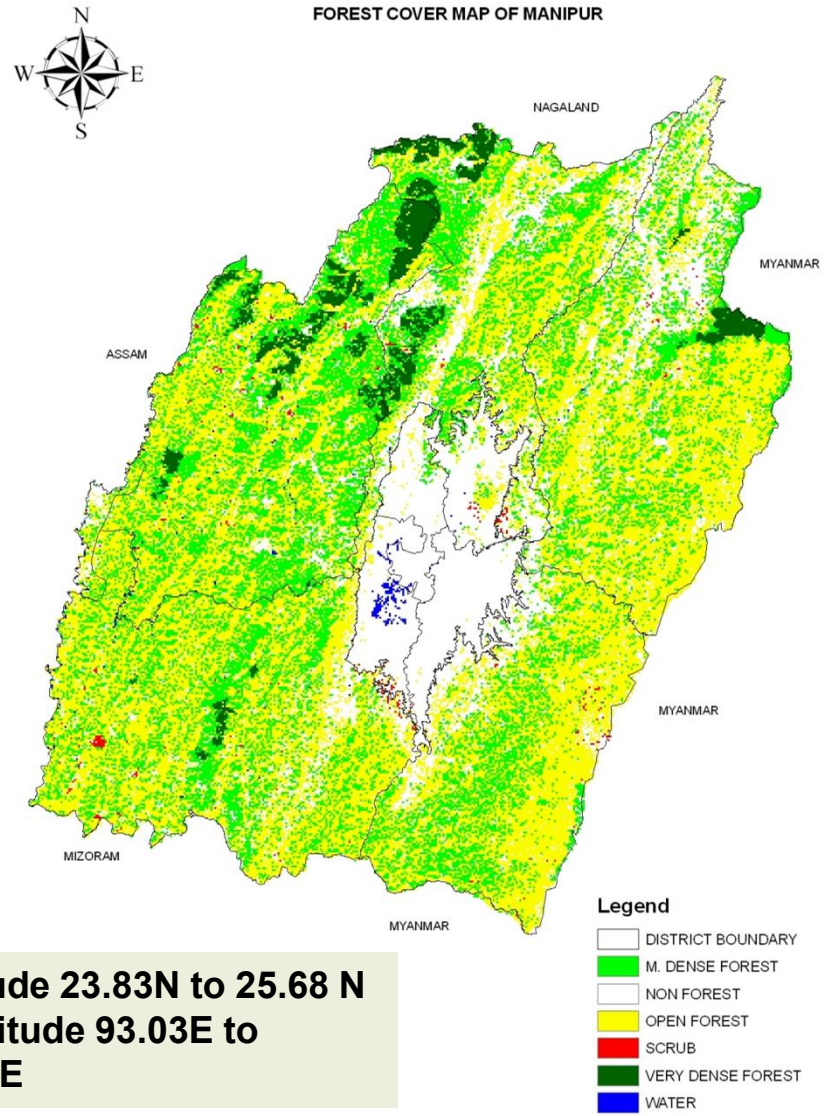
Guillermo Mortera

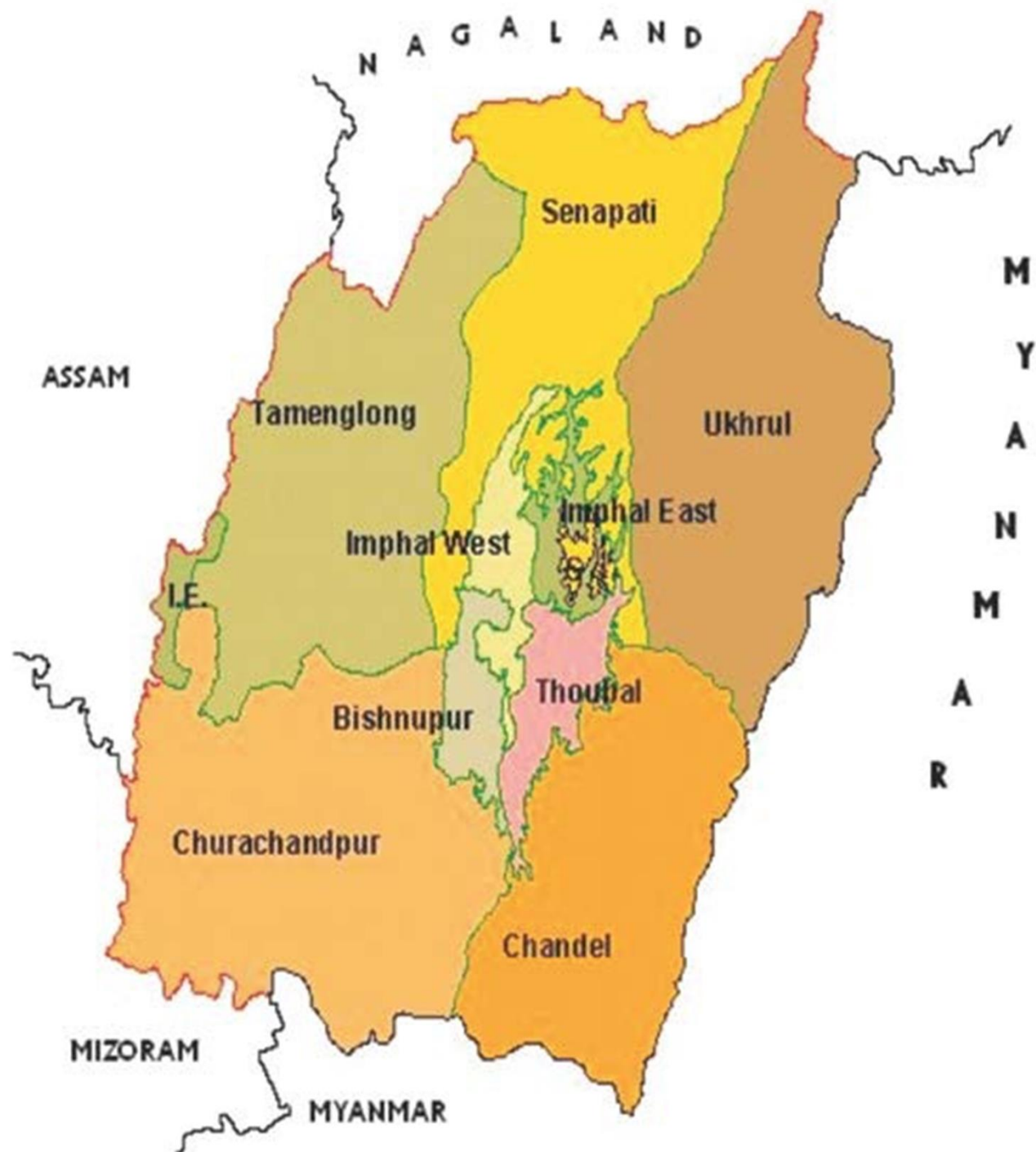
LOCATION MAP OF MANIPUR IN INDIA



Latitude 23.83N to 25.68 N
Longitude 93.03E to 84.78E

FOREST COVER MAP OF MANIPUR





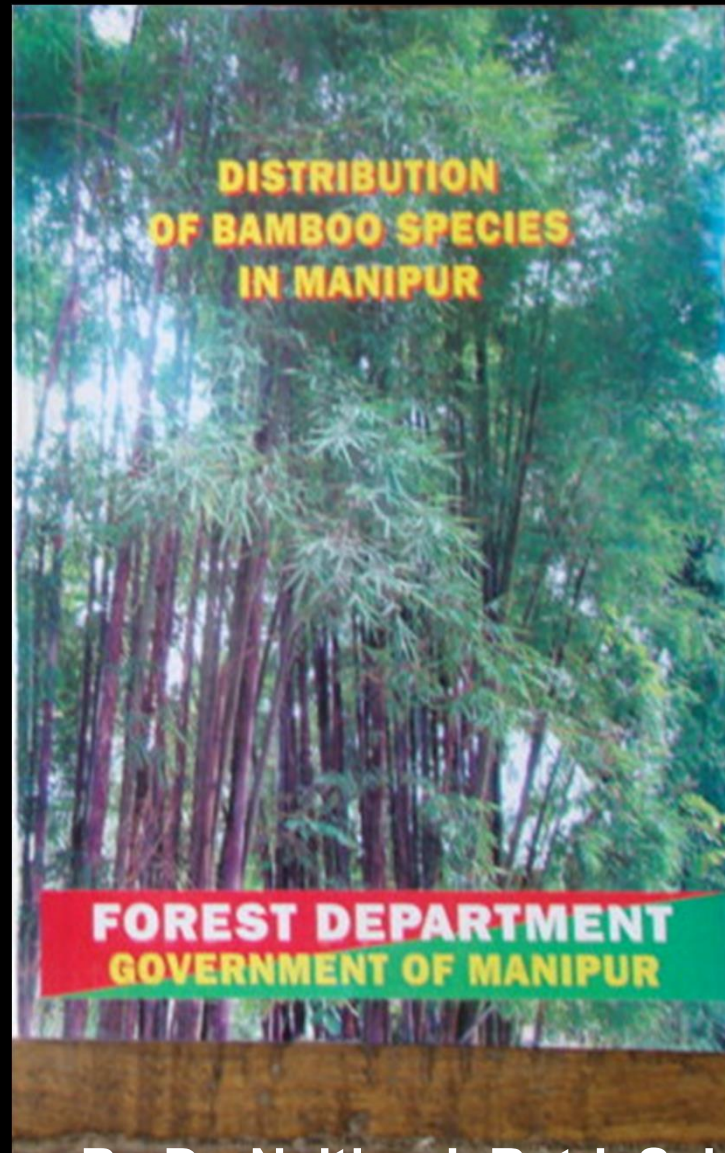
Bamboo Growing Area in Manipur

Total : 10,687 square kilometers

Pure stands = 95 square kilometers

**Dense stands (mixed forest) = 2,790
square meters**

Scattered stands = 7,676 square meters



NBM survey published DISTRIBUTION OF BAMBOO IN MANIPUR

- Identified/confirmed 35 species of 9 genera; 1 forma and 2 varieties
- Discovered 2 new species *Dendrocalamus manipureanus* (Uii) & *Bambusa manipureana* (Uma).
- The survey also reported for the first time the occurrence of *Bambusa mizorameana* (khokwa).

By Dr. Naithani, Retd. Scientist, ICFRE; Dr. NC Bisht, IFS & Dr. S. Singsit, IFS; Ex PCCF, Manipur



Pure stand of *Melocanna bacifera* (Moubi)



Scattered forest pattern

<u>Name of Species</u>	<u>Local Name</u>
<i>Bambusa balcooa</i>	Barua (Bangali)
<i>Bambusa bambos</i>	Ching Saneibi (Mani)
<i>Bambusa cacharensis.</i>	Moriang wa (Mani)
<i>Bambusa jaintiana</i>	Gasui (Rongmei)
<i>Bambusa manipureana</i>	Uma (Manipuri)
<i>Bambusa mizorameana</i>	Khok wa(Manipuri)
<i>Bambusa nutans</i>	Saneibi (Manipuri)
<i>Bambusa tulda</i>	Utang , Watang (Mani)

Name of Species

/

Local Name

Bambusa vulgaris

Jaibarua (Bangali)

Bambusa vulgaris var. vittata

Bambusa vulgaris f. waminii

Chimonobambusa callosa

Laiwa (Manipuri)

Dendrocalamus hamiltonii

Wanap, Unap (Mani)

Dendrocalamus hookeri

Watangkhoi (Mani)

Dendrocalamus latiflorus

Maribob (Mani)

Dendrocalamus longispathus

Wui, Uil (Mani)

Dendrocalamus manipureanus

Ui (Manipuri)

<u>Name of Species</u> /	<u>Local Name</u>
<i>Dendrocalamus sikkimensis</i>	Paalm (Kabui)
<i>Gigantochloa andamanica</i>	Pui (Kabui)
<i>Melocalamus compactiflorus</i>	Dural (Bangali)
<i>Melocalamus indicus</i>	Moriang wa (Mani)
<i>Melocanna baccifera</i>	Moubi-wa (Mani)
<i>Neomicrocalamus prainii</i>	Tenwa (Mani)
<i>Schizostachyum dullooa</i>	Phisautong (Mani)
<i>Schizostachyum fuchsianum</i>	Gowa (Kuki)

Name of Species / Local Name

Schizostachyum manii

Chi (Kabui)

Schizostachyum munroi

Nat (Mani)

Schizostachyum pallidum

Mayung (Mani)

Schizostachyum pergracile

Pungsang (Mani)

Schizostachyum polymorphum

Talak

Schizostachyum sharmae

Sinarundinaria elegans

Ngarik (Kuki)

<u>Name of Species</u>	<u>Local Name</u>
<i>Sinarundinaria falcata</i>	Machum (Tangkhul)
<i>Sinarundinaria graffithiana</i>	Maram (Tangkhul)
<i>Sinarundinaria hookeriana</i>	
<i>Sinarundinaria rolloana</i>	Japva Thifu (Naga)
<i>Thyrsostachys oliveri</i>	Kabo-wa (Manipuri)

= 35 native species in Manipur



Abundant local supply





Nurseries for young plants

Artisans, handicrafts





For bridges and fences

**Edible shoots for
human consumption**





Baskets and bins



**Baskets, cages
and traps**



Woven mats



Construction



Kilns for charcoal production





*With Love from
Niravala and Santosh
4 November 2018*



BAMBOO PIONEER
WORLD BAMBOO ORGANIZATION

Thank you,
MANIPUR!



DESIGN GREEN
**World
Bamboo
Workshop.**



#BambooisGrowing

www.worldbamboo.net

