



ODISHA BAMBOO DEVELOPMENT AGENCY

Forest Environment & Climate Change Department
Government of Odisha

OUR JOURNEY

2025 - 2026

Activities, Milestones & Achievements

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Looking Ahead

Our Leaders :



Shri Mohan Charan Majhi
Hon'ble Chief Minister



Shri Ganesh Ram Singhkhuntia
Hon'ble Minister Forest, Environment & Climate
Change Dept., Govt. of Odisha



Shri Bhaskar Jyoti Sarma, IAS
Principal Secretary to Government,
Forest, Environment & Climate Change
Department, Govt. of Odisha
Chairman, OBDA



Dr. K. Murugesan, IFS
Principal Chief Conservator of
Forests and Head of Forest Force, Odisha



Shri Karthick V, IFS
Project Director-WFP-Cum-SMD, OBDA

The Odisha Bamboo Development Agency (OBDA) has been at the forefront of transforming the bamboo sector in the state of Odisha. Over the year 2025–2026, OBDA undertook a series of landmark activities — from empowering farmers and artisans to forging national-level alliances and creating market linkages across the country.

This booklet captures the milestones achieved by OBDA during this transformative period — a journey driven by the vision of making bamboo a cornerstone of Odisha's rural economy, tribal livelihoods, and green industry ecosystem.

"Bamboo is not just a plant—it is a life line for millions off a miles and a bridge to a greener future."

We take pride in presenting these achievements as a testament to the dedication of our farmers, artisans, partners, and the Government of Odisha.

OBDA

The Odisha Bamboo Development Agency (OBDA) is a dedicated state-level agency functioning under the Forest, Environment & Climate Change Department, Government of Odisha, established to promote the holistic development of the bamboo sector in the State. OBDA aims to transform bamboo into a sustainable livelihood and economic resource by strengthening the entire value chain—from **plantation and resource development** to **processing, product diversification, and market linkages**. The agency works closely with farmers, forest-dependent communities, self-help groups, artisans, industries, and private investors to enhance productivity, improve income generation, and create employment opportunities.

Key focus areas of OBDA include:

- Expansion of bamboo cultivation outside forests and scientific management of bamboo resources
- Promotion of bamboo-based enterprises and value-added products
- Skill development and capacity building of artisans and stakeholders
- Facilitation of market access, branding, and investment in the bamboo sector
- Convergence with national and state schemes for integrated development

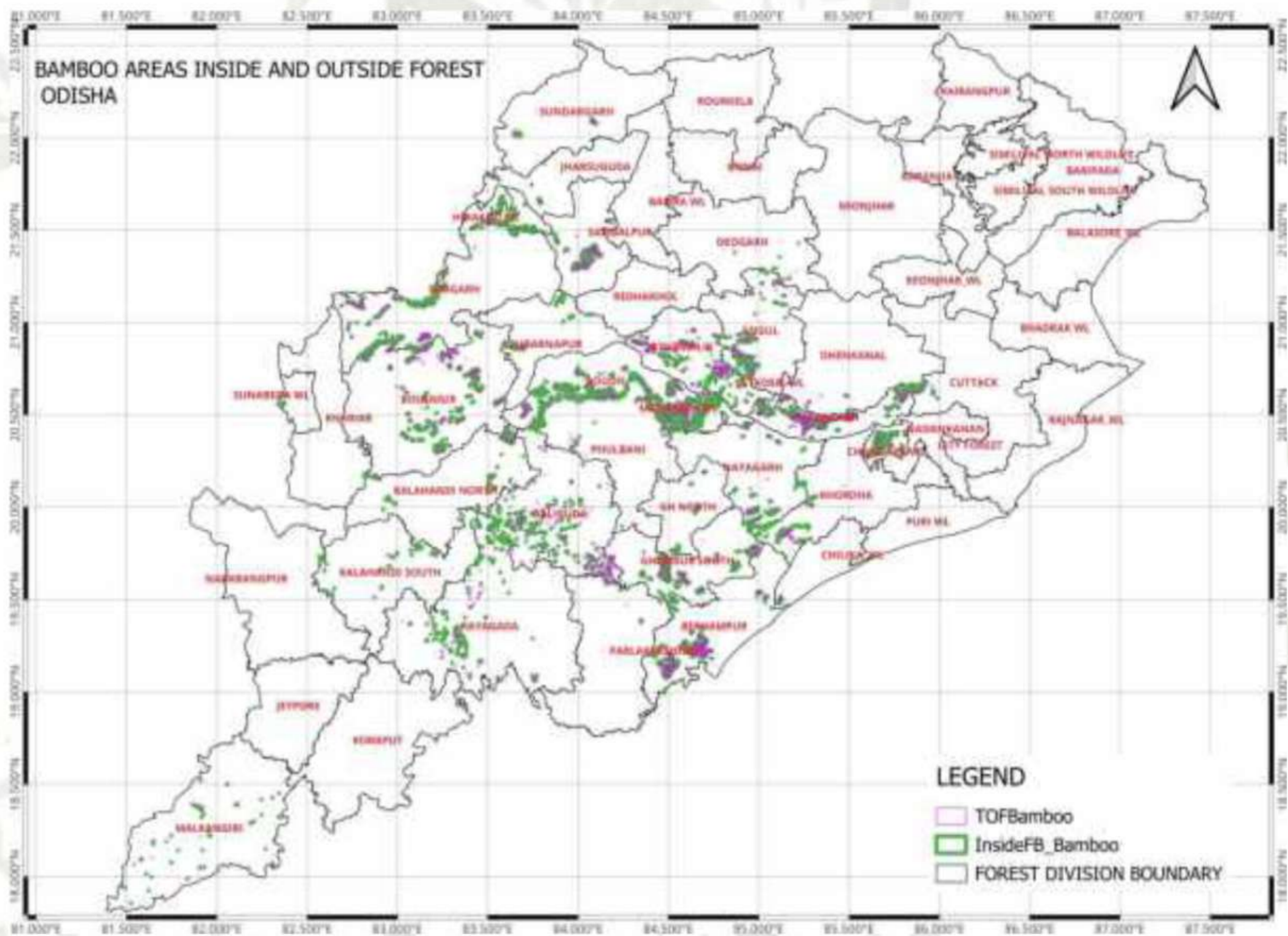
Through its interventions, OBDA seeks to position Odisha as a leading state in the bamboo sector, contributing to **green growth, climate resilience, and rural livelihoods**.

BAMBOO RESOURCE

The total geographical area of the State is about 1,55,707 square kilometers. It has 30 districts, 59 sub-divisions and 324 development blocks. Odisha has 9% of the Country's total bamboo forest cover and 7% of total growing stock of Bamboo. The bamboo in forest areas of Odisha grows as mixed crop associated with Sal & other species. The mixed bamboo forest area is spread over about 17,795 Sq. Km. and pure bamboo forest (occurring mostly as bamboo brakes) is about 375 Sq.Km. As per the ISFR Report Bamboo area in Odisha is about **12,328**

sq km, ranking 4th in India. With an estimated annual production potential of 4,00,000 MT, bamboo is found across the state's forests, notably in Kandhamal, Keonjhar, Rayagada, Kalahandi, and Mayurbhanj, with species like *Dendrocalamus strictus* (Salia) and *Bambusa bambos* (Daba) predominating.

There are about 13 species of bamboo available in Odisha of which most commonly found are *Dendrocalamus strictus* (80%), and *Bambusa bambos* (10%). Cultivated species are *Bambusa vulgaris* & *Bambusa nutans*. *Bambusa tulda*, *Dendrocalamus lorigispathus*, *Schizostachyum pergraicile*, *Thyrostachys oliveri* & *Gigantachloa rostrata* are occurring in localized area in different parts of State. Others (*Thirostachys regia*, *Dendroclamus giganteous*, *Bambusa striata*, *Bambusa wamin*) are occurring in Silvicultural & other bambusetum as representative plantation.



ACTIVITY 01

Chapter 1: Bamboo Stakeholder Workshop — Bhubaneswar

■ 16th July 2025 | Aranya Bhawan, Chandrasekharpur, Bhubaneswar

The **Odisha Bamboo Development Agency (OBDA)** organized a high-impact workshop that brought together key stakeholders of the bamboo sector, including beneficiaries, farmers, artisans, entrepreneurs, and institutional partners, under a single platform. The event served as a forum for knowledge exchange, policy dialogue, and strengthening of the bamboo value chain in Odisha.

The workshop was aimed at promoting bamboo-based industries by facilitating direct interaction between grassroots-level farmers, industry players, and policymakers. Deliberations focused on addressing critical challenges and identifying pathways for sustainable sectoral growth.

Key issues highlighted during the discussions included inadequate product finishing and limited value addition, gaps in marketing and market linkages, low levels of awareness, limited area under bamboo cultivation, and the absence of strong institutional mechanisms such as Farmer Producer Organizations (FPOs) and Farmer Companies (FCs).

The workshop collectively contributed to outlining a strategic roadmap for the development and scaling up of the bamboo sector in the State.



Stakeholder Meet- 16 July 2025, Bhubaneswar



Participants at Aranya Bhawan



*Inspection Bamboo Handicraft Item
PCCF & HoFF, Odisha*



Speech by Sri Karthick V, IFS, PD, OBDA

ACTIVITY 02

Chapter 2: Bamboo Nursery Accreditation Certificate — Ganjam

■ 8th September 2025 | Khaladi, Kodala, Ganjam District

The **State Level Bamboo Nursery Accreditation Committee (SLBNAC)** has taken a significant step towards formalizing and strengthening the bamboo nursery sector in Odisha by granting accreditation to a private bamboo nursery located at Khaladi, Kodala in Ganjam district.

The nursery, owned by **Sri Kedar Krushna Panda**, has been awarded accreditation for a period of three years, in recognition of its adherence to prescribed quality standards in the production of bamboo saplings.

This initiative forms part of the broader strategy of the **Odisha Bamboo Development Agency (OBDA)** to establish a robust, reliable, and quality-assured nursery ecosystem in the State. It aims to ensure the availability of certified, high-quality planting material to support farmers, plantation programmes, and large-scale bamboo-based interventions.



Accreditation committee issuing Certificate to Sri Kedar Krushna Panda Khaladi, Ganjam

SLBNAC Accreditation Committee Meeting Ceremony



Sri Kedar Krushna Panda with Accreditation Certificate Field inspection by SLBNAC to KK Panda Nursery

ACTIVITY 03

Chapter 3: National Conference on Bamboo — Bhubaneswar

■ 20th November 2025 | Convention Centre, Lok Seva Bhawan, Bhubaneswar

The **Odisha Bamboo Development Agency (OBDA)**, in collaboration with **OFSDP Phase-II**, organized a National Conference on Bamboo at the Convention Centre, Lok Seva Bhawan, Bhubaneswar. The conference served as a significant platform, bringing together eminent delegates from across the country with expertise in bamboo science, technology, design, and enterprise development.

The conference underscored the critical need for strong technical partnerships to address existing gaps in scientific management, product design, value addition, and market competitiveness. In this context, OBDA entered into Memoranda of Understanding (MoUs) with **INBAR (New Delhi)**, **KFRI (Kerala)**, and **NID(Ahmedabad)** to leverage their technical expertise and institutional support for strategic planning and capacity building in the State.

The participation of leading institutions and organizations—including **Jans Bamboo Product Pvt. Ltd. (Maharashtra)**, **Kerala Forest Research Institute (KFRI)**, **International Network for Bamboo and Rattan (INBAR, New Delhi)**, **URAVU Indigenous Science & Technology Study Centre (Kerala)**, **National Institute of Design (NID, Ahmedabad & Bengaluru)**, **CGBMT (Bengaluru)**, and **Common Ground**—highlighted the growing importance of collaborative approaches in advancing the bamboo sector.

These collaborations are expected to play a pivotal role in strengthening the bamboo value chain in Odisha by integrating global best practices, improving product quality, fostering innovation, and enabling sustainable, market-driven growth.

"A convergence of national expertise—building a shared vision for bamboo's future in India."



National Conference on Bamboo, Nov 2025



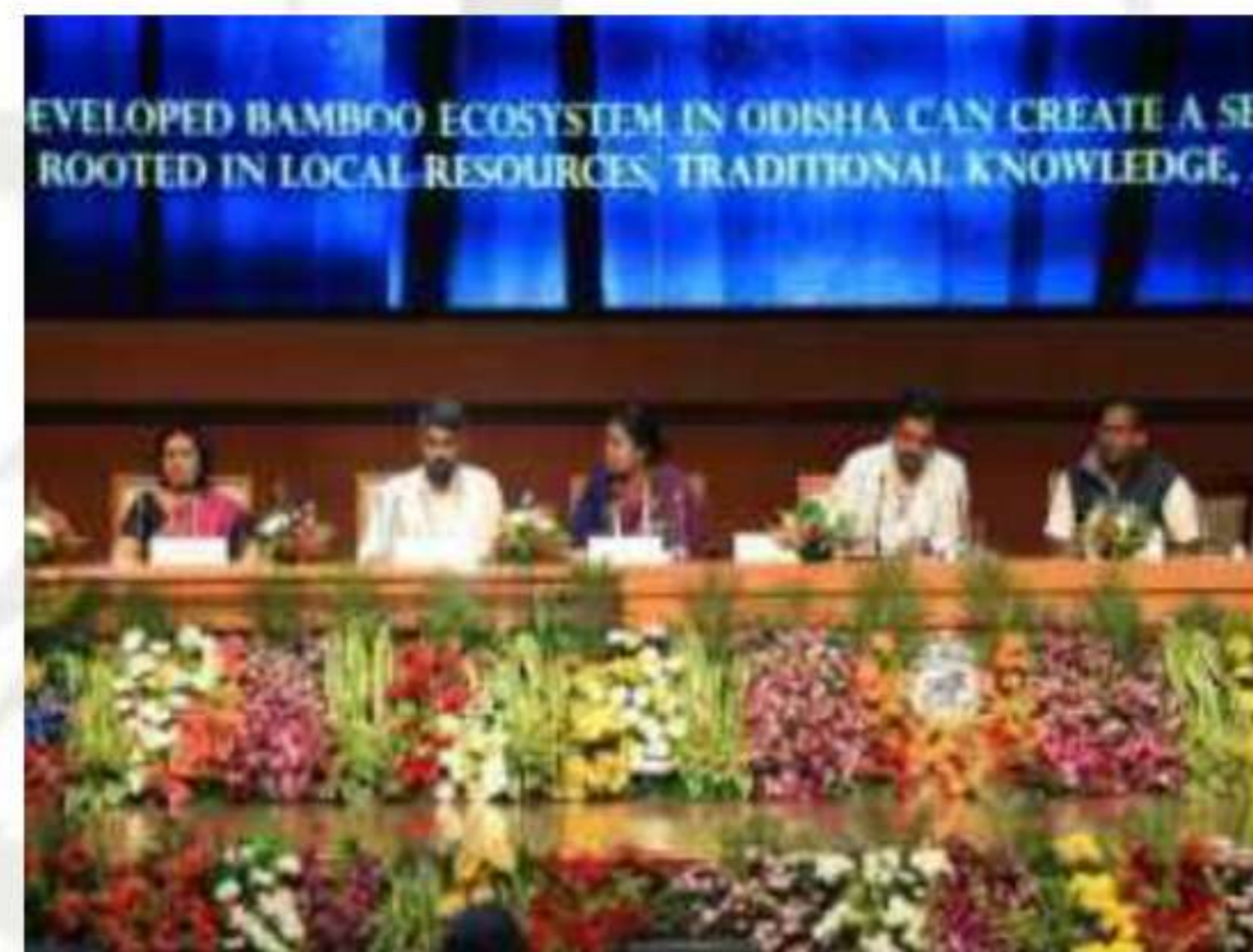
Delegates at Lok Seva Bhawan



Inauguration Odisha Bamboo Haat Website



Speakers felicitated by Sri Suresh Pant IFS PCCF & HoFF



*Panel discussion with experts from INBAR
Ms. Sangeeta Agasty, Sri Tony paul URUVU,
Ms Andrea NID, Sri George Jenner IFS ,
Shri V.Karthick IFS*



Participants of National conference on Bamboo and medicinal plants



Fine finished products of URUVU

ACTIVITY 04

Chapter 4: Participation in National & Regional Exhibitions

■ Oct 2025 – Jan 2026 | Odisha, Maharashtra & Kerala

The **Odisha Bamboo Development Agency (OBDA)** actively showcased the State’s bamboo products and sectoral potential at three major national exhibitions, enhancing visibility and creating avenues for market linkage with buyers, industries, and stakeholders from across the country.

The key events included:

1. **Viksit Odisha 2025** — Rairangpur, Odisha (7–9 October 2025)
2. **Pragatishila Maharashtra 2025** - Jalgaon, Maharashtra (3–5 November 2025)
3. **22nd Kerala Bamboo Fest**- Kaloor, Ernakulam, Kerala (27 December 2025- 1 January 2026)

Participation in these prominent platforms enabled OBDA to exhibit the rich diversity and craftsmanship of Odisha’s bamboo products, facilitate engagement with national markets, and strengthen the State’s positioning as an emerging hub for bamboo-based enterprises and value-added products.



Viksit Odisha Exhibition, Rairangpur 2025



Pragatishila Maharashtra, Jalgaon 2025



Exhibition stall at Ernakulam Kerala, Odisha bamboo products



Viksit Odisha Exhibition, Rairangpur 2025

FORMATION OF TECHNICAL COMMITTEE

During the year, the **Government of Odisha, Forest, Environment & Climate Change Department**, approved the constitution of a **Technical Committee under the Chairmanship of the Principal Chief Conservator of Forests & HoFF** for evaluation of Detailed Project Reports (DPRs) related to bamboo projects. The Committee comprises representatives from key departments including Agriculture & Farmers' Empowerment, Industry, MSME, Mission Shakti, OFDC Ltd., IPICOL, as well as academic and technical experts such as the College of Forestry, OUAT and bamboo specialists.

The **Project Director, OBDA** serves as the Member Secretary. The Committee is mandated to scrutinize and verify DPRs submitted by beneficiaries to OBDA and recommend them for approval by the State Level Executive Committee (SLEC) under the nodal department. This institutional mechanism ensures a robust, transparent, and technically sound appraisal process, thereby strengthening the planning and implementation of bamboo-based interventions in the State.

ACTIVITY 05

Chapter 5: Farmers & Industries Field Interaction Programme — Mayurbhanj

■ 24th February 2026 | Bhalia, Mayurbhanj District

The **Odisha Bamboo Development Agency (OBDA)** organized a *Farmers–Industry Field Interaction Programme* at Bhalia in Mayurbhanj district, with a focus on strengthening the bamboo value chain at the grassroots level. The programme facilitated a direct interface between bamboo growers and industry stakeholders, enabling meaningful exchange of knowledge on scientific cultivation practices, sustainable harvesting techniques, and market linkages.

The initiative was anchored on the theme of “**Strengthening Value Chains**”, with an emphasis on transforming farmers from mere suppliers of raw material into active participants in value addition and enterprise development. Industry representatives shared valuable insights on product specifications, quality standards, and pricing mechanisms, thereby equipping farmers with practical market intelligence and enhancing their capacity to engage with formal markets.



Field Interaction, Bhalia, Mayurbhanj



Farmers & industries engagement



ACTIVITY 06

Chapter 6: Seven Bamboo Artisan Training Programmes Across Odisha
 ■ 24th February – 2nd March 2026 | Multiple Districts, Odisha

In one of its most impactful capacity-building drives, OBDA organized seven one-week intensive bamboo artisan training programmes across different districts of Odisha. These programmes were designed to upgrade the technical skills of bamboo artisans, promote product diversification, and improve the quality and marketability of bamboo crafts.

The training centres were spread across the state, reaching artisans in Bhalia (Mayurbhanj), Jamjhadi (Balasore), Bilipada (Banki, Cuttack), Palsipada (Kalahandi), Phulbani (Kandhamal), Pitambarpur (Jagatsinghpur), and Santhpur (Dhenkanal).

"Seven locations. Seven communities. One mission—empowering Odisha's bamboo artisans."

The training covered product design, finishing techniques, tooling, safety, and market orientation. By bringing the training to the doorstep of artisan communities, OBDA ensured maximum outreach and impact.



Artisan training — Mayurbhanj



Hands-on bamboo craft session at sudurkumpa , Phulbani



Artisan Training at Sudurkumpa, Phulbani in Khandamal District





Artisan training at Bilipada, Banki, Cuttack

Bamboo artisan skill development training at Bilipada, Banki



Bamboo artisan skill development training at Bilipada, Banki



Artisan Training Programme at Santhapur, Dhenkanal

Artisan Training Programme at Bhawanipatna



Artisan Training Programme at Jamujhadi, Balasore

Artisan Training Programme at Jagatsingpur



Artisan Training Programme at Jamujhadi, Balasore

ACTIVITY 07

Chapter 7: Exposure Visit & Training at URAVU, Kerala

■ 19th – 30th March 2026 | URAVU, Thrikkaipetta, Wayanad, Kerala

The **Odisha Bamboo Development Agency (OBDA)** facilitated an exposure visit-cum-training programme for 20 artisans and 2 forest officials to the **URAVU Indigenous Science & Technology Study Centre**, Thrikkaipetta P.O., Wayanad, Kerala.

URAVU is nationally recognized for its innovative approach to bamboo design, sustainable enterprise development, and community-based engagement. The 12-day programme provided participants from Odisha with valuable hands-on exposure to advanced bamboo processing techniques, contemporary design practices, and URAVU’s enterprise development model. These learnings are expected to significantly strengthen local practices and enhance the capacity of artisans and officials in the State.

The visit also enabled the establishment of strong institutional linkages between OBDA and URAVU, paving the way for future collaboration in areas such as skill development, product design, and market integration.



Artisans at URAVU, Wayanad, Kerala — March 2026



Chapter 8: Establishment of Bamboo Park at Sindurpur, Boudh

Establishment of Bamboo Park at Sindurpur under Boudh Forest Division

The **Odisha Bamboo Development Agency (OBDA)** has undertaken the establishment of a **Bamboo Park at Sindurpur under Boudh Forest Division**, with an approved investment of **₹185.00 lakhs**, aimed at creating a comprehensive bamboo-based enterprise ecosystem at the grassroots level. The initiative is being implemented through the **Sindurpur Vana Suraksha Samiti (VSS)**, ensuring active community participation and ownership.

The Bamboo Park is envisioned as an integrated facility encompassing processing units, value addition infrastructure, and space for product development and enterprise activities. It is expected to serve as a focal point for promoting bamboo-based livelihoods, enhancing local employment opportunities, and strengthening the rural economy.

As part of capacity building, selected artisans from the VSS have been deputed to the **URAVU Indigenous Science & Technology Study Centre, Kerala**, for specialized training. The training focuses on advanced bamboo processing techniques, product design, finishing, and enterprise management, thereby equipping artisans with the necessary skills to produce high-quality, market-oriented bamboo products.

Further, OBDA will extend comprehensive **marketing support** to the VSS by facilitating market linkages, branding, and participation in exhibitions and trade platforms. This will enable the products manufactured at the Bamboo Park to access wider markets and ensure sustainable income generation for the community.

The initiative represents a holistic approach towards **value chain development**, integrating infrastructure creation, skill enhancement, and market connectivity, thereby positioning the Sindurpur Bamboo Park as a model for community-led bamboo enterprise development in Odisha.





Bamboo Crosscut Machine

Parallel Splitter Machine 5HP



Heavy Duty Sliver Machine - 8 Roller, 2HP



Radial Splitter Machine 8ft



Vacuum pressure impregnation machine



Vacuum pressure Machine



Universal bamboo working machine 3HP



Bamboo turning machine with chuck 1 ho



Spray Gun with compressor machine



Belt & disc sander 1HP machine

Chapter 9: Cluster Visits by State Mission Director, OBDA

Field Visit to Santhapur, Dhenkanal by Sri Karthek V, IFS, Project Director, WFP-Cum-SMD, Odisha Bamboo Development Agency (OBDA)



Observation :

- a. Strong community linkage
- b. Lack of training
- c. Villagers have their own bamboo resources
- d. Rattans obtained from outside
- e. Popular 'bamboo island concept'
- f. Demand for establishing new nursery
- g. Organized by 'NEW INDIA' NGO.

Field Visit to Sudurkumpa, Phulbani by Sri Karthck V, IFS, Project Director, WFP-Cum-SMD, Odisha Bamboo Development Agency (OBDA)



Observation:

- a. Actively organized group
- b. Less population of Dungi bans (*Cephalostachyum pergracile*)
- c. Need of Skill training
- d. Need of Bamboo plantation
- e. Less marketing support
- f. Artisans registered by ‘PAHAD’ NGO.

Field Visit to Bilipada, Banki by Sri Karthck V, IFS, Project Director, WFP-Cum-SMD, Odisha Bamboo Development Agency (OBDA)



Observation:

- a. Very fine artist Sri Ekadesi Barik
- b. Make fine statues using Dungi bans
- c. Lack of marketing
- d. Bamboo Textiles is only prepared in this cluster
- e. Need of CFC building , OBDA already applied land under FRA for CFC.



Meeting with GP Members at Malkangiri, Khalimela GP

Objective and purpose:

- a. To understand the technical know how of bamboo operation
- b. To guide and assist ISB in helping community to properly manage CFR area
- c. Scientific management and Documentation of bamboo harvest and storage.
- d. To guide DFO in issuing permit and proper management of CFR bamboo title areas

Obervation

- a. Community actively participated
- b. ISB is well informed about the procedure of bamboo harvesting
- c. They need monitoring and guidance for propely carrying out this bamboo harvesting activity.

Community meeting in Jeypore, Koraput



Meeting with GP Members at Malkangiri, Khalimela GP

Objective and Purpose:

- a. To understand the technical know how of bamboo operation
- b. To guide and assist common grounds in helping community to properly manage CFR area
- c. Scientific management and Documentation of bamboo harvest and storage.
- d. To guide DFO in issuing permit and proper management of CFR bamboo title areas

Obervation

- a. Community actively participated
- b. Community needs to be empowered to protect the foersts.
- c. They need monitoring and guidance for propely carrying out this bamboo harvesting activity.

Chapter 10: Bamboo Products Catalogue

The following pages present a diverse range of bamboo products crafted by artisans and registered clusters under the **Odisha Bamboo Development Agency (OBDA)**. Each product is a reflection of the skill, creativity, and dedication of Odisha’s bamboo artisan communities.

These products are available for order and enquiries, and interested buyers may contact the respective clusters through the details provided alongside each listing.

Cluster 1 — Sashiprabha Handicrafts, Balasore

Contact: 8249254366

Sashiprabha Handicrafts from Balasore specializes in decorative wall hangings, bamboo ship crafts, flower stands, and artistic home décor items. Their products blend traditional craftsmanship with contemporary aesthetics.





Wall Hanging

SH/007/2025



Wall Hanging

SH/008/2025



Wall Hanging

SH/009/2025



Show Hanging Light

SH/010/2025



Wall Hanging

SH/011/2025



Flower Stand

SH/012/2025



Wall Hanging

SH/013/2025

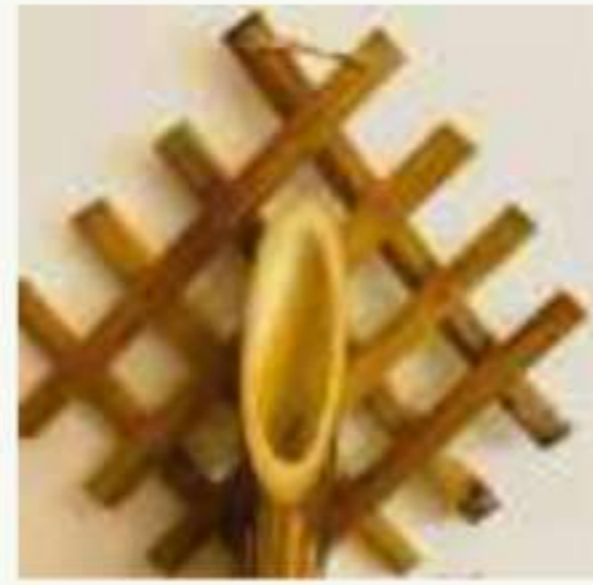
Cluster 2 — New India, Santhapur

Contact: 7978073881 / 9438394477

New India cluster from Santhapur offers an impressive variety of bamboo lifestyle products — from elegant plant hangers and decorative items to practical everyday products like bamboo cups, trays, mirrors, pen stands, and storage products.



Money Plant Hanger
NIS/014/2025



Flower Show Hanger
NIS/015/2025



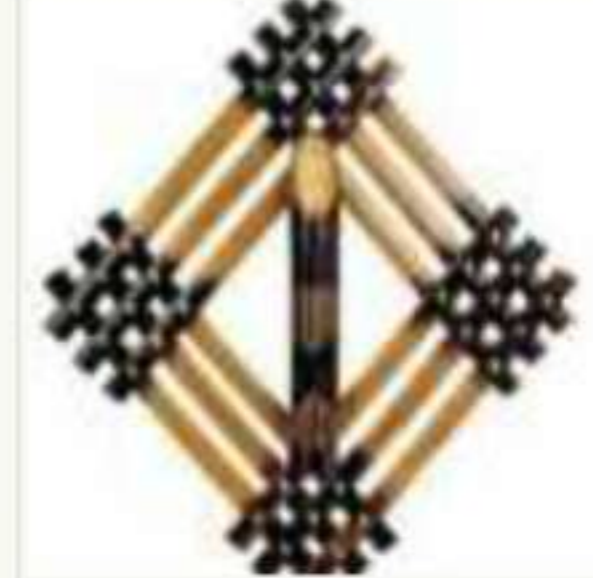
Money Plant Hanger
NIS/016/2025



Decorative Plant Hanger
NIS/017/2025



Hanger
NIS/018/2025



Bamboo Decorative Flower Hanger
NIS/019/2025



Money Plant Decorative Hanger
NIS/020/2025



Hanger
NIS/021/2025



Wall Show Decorative Item
NIS/022/2025



Money Plant Hanger
NIS/023/2025



Bamboo Craft Decorative Item
NIS/024/2025



Bamboo Cup
NIS/025/2025



Bamboo Bangle

NIS/026/2025



Bamboo Tray

NIS/027/2025



Bamboo Tray

NIS/028/2025



Bamboo Flower Hanger

NIS/029/2025



Flower Bucket

NIS/030/2025



Flower Bucket

NIS/031/2025



Bamboo Mirror

NIS/032/2025



Bamboo Cell Phone Stand

NIS/033/2025



Bamboo Flower Stand

NIS/034/2025



**Bamboo Storage
Decorative**

NIS/035/2025



Office Pen Stand

NIS/036/2025



Bamboo Pen Stand

NIS/037/2025

Cluster 3 — Maa Manasha SHG, Bhalia, Mayurbhanj

Contact: 9040749224

Maa Manasha Self Help Group from Bhalia, Mayurbhanj produces robust and functional bamboo products including dustbins, flower stands, chairs, pots, lanterns, and decorative lights —combining utility with traditional craft.



Bamboo Dustbin

MMS/038/2025



Flower Stand

MMS/039/2025



Bamboo Chair

MMS/040/2025



Bamboo Chair

MMS/041/2025



Bamboo Chair

MMS/042/2025



Bamboo Pot

MMS/043/2025



Bamboo Lantran

MMS/044/2025



Bamboo Decorative Light

MMS/045/2025



**Bamboo Decorative Mandir/
Pooja Chowki**

MMS/046/2025

Cluster 4 — Ekadashi Barik

Contact: 9861483978

Master artisan Ekadashi Barik brings the art of traditional Bamboo Bengalcraft, showcasing the fine heritage weaving technique unique to Odisha's bamboo artisan tradition.



Bamboo Bengal

EKB/047/2025

Please order them here.

odishabamboohaat.com



Odisha Bamboo Haat is an online platform dedicated to promoting bamboo-based products and empowering rural artisans of Odisha. It serves as a digital marketplace where local bamboo craftsmen, self-help groups (SHGs), and forest-dependent communities can showcase and sell their eco-friendly products directly to customers.

The platform aims to connect traditional artisans with modern markets, ensuring fair prices and sustainable livelihoods. It highlights the creativity, culture, and craftsmanship of Odisha while promoting green, sustainable, and locally made products. Through this initiative, Odisha Bamboo Haat supports both environmental conservation and rural economic development.

CRAFTED BY NATURE, PERFECTED BY HANDS



Chapter 11: Upcoming Structures — Bamboo Hut at Anandvan



Bamboo Hut at Anandvan

A Bamboo Hut is currently under construction at Anandvan, envisioned as a dedicated space to showcase the rich diversity of bamboo handicrafts and products created by artisans across Odisha. The facility will serve as a curated display and sales centre, bringing together a wide range of traditional and contemporary bamboo products under one roof.

The Bamboo Hut will function as both an **offline retail outlet** and a hub for **online sales through the Odisha Bamboo Haat platform**, thereby expanding market access for artisans and clusters. It is designed to bridge the gap between producers and consumers, ensuring better visibility, branding, and value realization for bamboo products.

Located in a popular and high-footfall destination, the Bamboo Hut is expected to emerge as a key attraction, promoting eco-friendly products while supporting sustainable livelihoods. The initiative will significantly enhance income opportunities for artisans, strengthen market linkages, and contribute to the overall growth of the bamboo sector in Odisha.

Chapter 12: Bamboo Testing for Biochar Production with Tata Steel

CERTIFICATE OF ANALYSIS

We hereby certify that, sample submitted to us by client Tata Steel Limited is analysed in our laboratory with the following findings:

General Information	
Job Ref. No.:	SJVESDA-00000004
Commodity:	Bamboo
Client Sample Mark:	Sample-2(Scientific Name-Bambusa Nutans, Common Name-Basil Bamboo-28.1.28)
Sample Receipt Date:	27/02/2025
Condition of Sample:	Unpeeled Green Material For Sample

*** Sample not shown by us

Chemical Analysis		
Parameter	Result	Unit
Moisture	14.92	%
Volatile Matter (VM)	88.21	%
Ash	3.44	%
Fixed Carbon (FC)	73.13	%
Gross Calorific Value (GCV)	2796	KCal/kg

Remarks: All
Client Details:
Tata Steel Limited
Jamshedpur, Jharkhand

Certificate No.: MKKISSCWYS025-8488888 Date: 09/03/2025

CERTIFICATE OF ANALYSIS

We hereby certify that, sample submitted to us by client Tata Steel Limited is analysed in our laboratory with the following findings:

General Information	
Job Ref. No.:	SJVESDA-00000004
Commodity:	Bamboo
Client Sample Mark:	Sample-1(Scientific Name-Dendrocalamus strictus, Common Name-Basil Bamboo-28.1.28)
Sample Receipt Date:	27/02/2025
Condition of Sample:	Unpeeled Green Material For Sample

*** Sample not shown by us

Chemical Analysis		
Parameter	Result	Unit
Moisture	13.75	%
Volatile Matter (VM)	75.47	%
Ash	0.88	%
Fixed Carbon (FC)	15.94	%
Gross Calorific Value (GCV)	4115	KJ/kg

Remarks: All
Client Details:
Tata Steel Limited
Jamshedpur, Jharkhand

CERTIFICATE OF ANALYSIS

We hereby certify that, sample submitted to us by client Tata Steel Limited is analysed in our laboratory with the following findings:

General Information	
Job Ref. No.:	SJVESDA-00000004
Commodity:	Bamboo
Client Sample Mark:	Sample-2(Scientific Name-Bambusa vulgaris, Common Name-Basil Bamboo-28.1.28)
Sample Receipt Date:	27/02/2025
Condition of Sample:	Unpeeled Green Material For Sample

*** Sample not shown by us

Chemical Analysis		
Parameter	Result	Unit
Moisture	5.74	%
Volatile Matter (VM)	73.47	%
Ash	1.87	%
Fixed Carbon (FC)	15.65	%
Gross Calorific Value (GCV)	4211	KJ/kg

Remarks: All
Client Details:
Tata Steel Limited
Jamshedpur, Jharkhand

The Odisha Bamboo Development Agency (OBDA), in collaboration with Tata Steel, has undertaken laboratory testing to evaluate the suitability of bamboo as a feedstock for biochar production. The analysis has now been completed, and the results indicate that all three tested species—*Dendrocalamus strictus*, *Bambusa nutans*, and *Bambusa vulgaris*—are found to be suitable for biochar production.

The findings confirm the strong potential of bamboo as a viable raw material for biochar, supporting its use in sustainable and climate-friendly applications. Based on these encouraging results, OBDA proposes to further collaborate with Tata Steel for the establishment of a **biochar production plant in Odisha**.

This initiative is expected to promote value addition to bamboo resources, enhance income opportunities for farmers and artisans, and contribute to circular economy and climate resilience objectives in the State.

LOOKING AHEAD

The activities of 2025–2026 mark a pivotal chapter in OBDA's journey. From grassroots artisan training to national conferences, from nursery accreditation to international exposure, OBDA has consistently worked to build a robust, inclusive, and sustainable bamboo economy for Odisha.

As we look ahead, OBDA remains committed to expanding the bamboo sector's reach, deepening partnerships, and ensuring that the benefits of this green revolution reach every farmer, artisan, and entrepreneur in Odisha.

"Rooted in tradition. Growing towards a greener, more prosperous Odisha."

ODISHA BAMBOO DEVELOPMENT AGENCY | BAMBOO CONFLUENCE 2026



Latitude: 11.608053
Longitude: 76.134513
Elevation: 768.49±4.62 m
Accuracy: 49.0 m



Latitude: 11.608004
Longitude: 76.134455
Altitude: 676.6±6.23 m
Accuracy: 42.5 m



Project Director, World Food Programme & State Mission Director
Odisha Bamboo Development Agency, Office of the Principal Chief Conservator of Forests & HoFF,
Odisha Aranya Bhawan, Chandrasekharapur, Bhubaneswar-751023, Odisha
Phone : 0674-2302344, Email : obda@rediffmail.com