

## **KRISHI VVIGYAN KENDRA, MAYURBHANJ-1, SHAYMA KHUNTA, ODISHA**

### **A. BASIC INFORMATION OF THE DISTRICT**

#### **i. INTRODUCTION**

Mayurbhanj district – the Ex- state of Mayurbhanj Kingdom was merged with Odisha state on 1<sup>st</sup> January 1949 and known for its vibrant culture, scenic beauty, Chhau dance, traditional Jhumar music, Similipal biosphere, tribal population and of course for its famous Maharajas. This Northern Odisha district is well known for its handicrafts of sabai, bamboo, stone carvings, tasar work and is also famous for its special Mudhi-Mansha dish (puffed rice with mutton). Most of the land area of the district is covered with dense forest and towering mountains of Similipal forest range provides shelter to wild animals like elephants, tigers, wild buffaloes etc. and tribal like Bhumija, Kolha, Khadia, Mankadia and others.

#### **ii. LOCATION**

Mayurbhanj is situated in the Northern part of Odisha and located at a latitude of 21o 16' N to 22 o 34' North and longitude of 80 o 40' E to 87 o to 11' East. The average attitude of the district is 592 meter, the highest is Meghasani peak (1165 meter) and lowest is Kalama at (20 meter) from MSL. This land locked district is bounded on the North by West Bengal & Jharkhand, on the west by Keonjhar district and on the East by Balasore.



**MAP OF MAYURBHANJ**

### iii. ADMINISTRATIVE SETUP

The District of Mayurbhanj is divided into four administrative Sub-divisions:

- A. Baripada
- B. Bamanghaty with headquarters at Rairangpur
- C. Panchpir with headquarters at Karanjia
- D. Kaptipada with headquarters at Udala.

This district has 26 Tehasils, **26 blocks**, 382 Gram Panchayats, 3950 Villages, 2 NACs & two Municipalities. The total population of the district is **2519738** as per 2011 census. The male female ratio is 1000: 1006. **Tribals constitute about 58.72 percent of the total population** and schedule castes accounts for only 7.33 percent of population. The population density is 242 per square K.M. Nearly 92.34 per cent of population lives in rural areas and only 7.66 percent of population lives in urban areas. The literacy rate is 63.98%.

### iv. AGRO-CLIMATIC ZONES

Agro climatic zone	: North central plateau
Characteristic	: Hot and moist, sub humid
Rain fall	: Normal
Mean Annual Rain fall (mm.)	: 1534 mm
Mean max. Temp. (Summer)	: 36.6 <sup>0</sup> C (Summer), 11.1 <sup>0</sup> C(Winter)
Broad Soil group	: Laterite, Red & Yellow, Mixed Red & Black

### v. AGRO- ECOLOGICAL SITUATION (AES)

The Similipal hill range located at the centre of the district extending from north to south dividing the district into two distinct parts the eastern and western region. The eastern part is comparatively plain and western part is uneven with presence of rocky mounds and hills. The district has been included under North Central Plateau Agro climatic Zone. Almost all soil of Mayurbhanj district is laterite and red soil. **The district has been divided into four agro-ecological situations on the basis of rainfall and elevation.** The details of the above agro-ecological situations are as follows.

AES	Characteristics	Blocks included
AES I	Low Rainfall, Low Elevation	Tiring, Rirangpur, Rasgovindpur, Bahalda, Shuliapada
AES II	Low Elevation, Medium Rainfall	Baripada, Badasahi, Shamakhunta, Khunta, GB Nagar Betonati, Muruda, Kuliana, Bangiriposi, Udala, Saraskana, Kusumi, Bishoi, Bijatota, Jamda
AES III	Low Elevation, High Rainfall	Kaptipada
AES IV	Medium Elevation, Medium Rainfall	Karanjia, Sukruli, Jashipur, Raruan, Thakurmunda

**vi. LAND USE PATTERN OF DISTRICT**

Geographical Area	:	10,418.00 sq.km
Area Under Forest	:	4392.13 sq.km (42.16%)
Fallow Land	:	441 ( ' 000 ha)
Waste Land	:	10 ( ' 000 ha)
Irrigated Land		27,755ha(Kharif) 10,710ha (Rabi)
Total cultivated area	:	4.37 lakh ha
Upland	:	1.86 lakh ha (43%)
Medium land	:	1.25 lakh ha (28%)
Low land	:	1.26 lakh ha(29%)
Area sown (Kharif)	:	3.64 lakh ha
Area sown (Rabi	:	52,650 ha
Area sown (Summer)	:	8350 ha
Cropping intensity	:	138%
Soil type	:	Sandy loam, Red lateritic
Irrigation potential (ha)%		1,83,484(Kharif), 88,882(Rabi)
Annual Rainfall	:	1648.2 mm in 77 rainy day
Temperature	:	41.2 <sup>0</sup> C(Max), 8.4 <sup>0</sup> C (Min)
Soil type of the district	:	Sandy loam, Red lateritic Laterite
Major enterprises in the District	:	Dhokra (art metal casting), sabai grass product, mushroom production
No. of Sub-Divisions	:	04
Total Population	:	2,519,738 (Male- 1,256,213), (Female-1,263,525)
Rural population	:	2,326,842
No. of Villages	:	3950
No. of Gram Panchayats	:	382
No. of Blocks	:	26
No. of Tehsils	:	26

**Source:** <http://mayurbhanj.nic.in/>

**vii. MAJOR CROPS OF THE DISTRICT**

Name of Crop	Kharif		Rabi	
	Area (ha)	Yield (t/ha)	Area (ha)	Yield (t/ha)
Paddy	3,01,370	2.092	3,800	3.227
Maize	9,850	2.022	920	2.489
Green gram	3,450	0.498	9,370	0.465
Black gram	11,110	0.442	5,620	0.466
Pigeon pea	8,290	0.79	-	-
Groundnut	1,280	1.106	7,730	1.9
Mustard	-	-	11,690	0.445
Total Vegetables	12,390	12.9	21,740	14.9

**viii. MAJOR COMMODITIES OF THE DISTRICT**

Name of commodity	Area (ha) / No.	Total Production /year
Pisciculture	3550.25ha	13,055.53MT
Live stock(except poultry)	2,013,663nos	6.93TMT
Dairy	8,45,452 nos	59.51TMT
Poultry	2641078 nos	105.88million nos. egg
Goatery	1,017,317nos	-
Piggery	24,695 nos.	-
Mushroom	56 units	735 MT

**ix. NO. OF FARM FAMILY**

✓ Marginal	: 3,07,767
✓ Small	: 61,528
✓ Semi medium	: 17,440
✓ Medium	: 3,063
✓ Large	: 185
✓ <b>Total</b>	<b>: 3,89,981</b>

**x. MAJOR FARMING SYSTEMS**

- Paddy-Fallow
- Paddy -Ground nut
- Paddy – Green gram
- Paddy + Animal Husbandry
- Paddy -Vegetable
- Paddy + Pisciculture
- Animal Husbandry

**B. PROFILE OF KVK MAYURBHANJ-I:****Brief**

The Krishi Vigyan Kendra, Mayurbhanj is established at Shamakhunta Farm as per the sanction of ICAR vide letter No. 3-56-93-AE-11 dated 19.05.2005, which is officially functioning from 28th May 2005. Basically Krishi Vigyan Kendra serves as the Knowledge Resource Centre and the premier technology hub on agriculture and allied branches like horticulture, animal resource development, fishery, forestry, women in agriculture etc.

<b>Location</b>	Lulung Road, At/P.O.: Shyamakhunta, Dist.: Mayurbhanj
<b>Year of Establishment</b>	2005
<b>Host Organization</b>	Orissa University of Agriculture and Technology, Bhubaneswar, ODISHA
<b>Farm (ha)</b>	27.98 ha
<b>Area of work</b>	14 Blocks of Mayurbhanj district under Baripada Sadar and Kaptipada Sub-division
<b>Facilities available</b>	Paddy Processing plant, Farmers' hostel, Administrative building, farming system unit, Poultry brooding unit, threshing floor etc

**KVK Mayurbhanj-I Operational Area – 14 Blocks of Mayurbhanj district**

- Badasahi
- Bangiriposi
- Baripada
- Betanati
- Gopabandhu Nagar
- Kaptipada
- Khunta
- Kulia
- Morada
- Rasgovindpur
- Saraskana
- Shayamakhunta
- Suliapada
- Udala

**a. Staff Position ( As on 31.03.2023 )**

<b>Designation</b>	<b>Sanctioned</b>	<b>Filled</b>	<b>Vacant</b>
Sr. Scientist & Head	1	1	-
Scientist	6	4	2
Programme Assistant	3	2	1
Admn. Staff	2	1	1
Driver	2	2	-
Supporting Staff	2	1	1
<b>Total</b>	<b>16</b>	<b>11</b>	<b>5</b>

**b. Vehicles**

<b>Type of vehicle</b>	<b>Year of purchase</b>	<b>Present status</b>
Office Jeep	2017	Good
Tractor	2019	Good
Motor bike	2010	Good

**c. Infrastructure Available**

<b>S. No.</b>	<b>Name of infrastructure</b>	<b>Source of funding</b>
1.	Administrative Building	ICAR
2.	Farmers Hostel	ICAR
3.	Staff Quarters (6)	ICAR
4.	Fencing	RKVY
5.	Threshing floor	ICAR
6.	Farm godown	ICAR
7.	Poultry unit	DRDA, Baripada
8.	Mushroom Lab	RKVY
9.	Mushroom production unit	RKVY
10.	Shade house	ICAR
11.	Soil test Lab	ICAR
12.	Pulse Seed processing plant-Cum-Seed Storage	ICAR

**d. Farm implements**

<b>Name of equipment</b>	<b>Present status</b>	<b>Source of fund</b>
Wheel finger weeder	Good	ICAR
Pre germinated paddy Drum seeder	Good	ICAR
Power Weeder	Good	ICAR
Fertilizer Broad caster	Good	ICAR
Battery Operated Sprayer	Good	ICAR
Seed Treating drum	Good	ICAR
Parboiling Unit	Good	ICAR
4-Row Drum seeder	Good	ICAR
Pedal Paddy Thresher	Good	ICAR
Cono weeder	Good	ICAR
Mandwa Weeder	Good	ICAR
Battery Operated Sprayer	Good	ICAR
Agriculture Drone	Good	ICAR

**e. Farm machinery**

<b>Name of machinery</b>	<b>Present status</b>	<b>Source of fund</b>
Paddle winnower	Good	ICAR
Paddy thresher	Good	ICAR
Power sprayer	Good	ICAR
Rotavator	Good	ICAR
Walk behind 4 row rice transplanter	Good	ICAR
Rotavator-'4'	Good	ICAR
Zero Till Seed Drill-11 row	Good	ICAR