



Mahatma Gandhi Vidyamandir's  
Samajshree Prashantdada Hiray Arts,  
Science and Commerce College,  
Nampur Tal. Baglan (Nashik)



## Department of Geography

Sr. No	Name of the Activity
01	Agriculture Land Measurement

**Mahatma Gandhi Vidyamandir's  
Samajshree Prashantdada Hiray Arts, Science and Commerce College,  
Nampur Tal. Baglan (Nashik)**

**Department of Geography**

**Best Practices of Geography Department**

- **Land Measurement**
  - Objectives
  - Importance of Standardization in Land Measurement Actual Practice
  - Beneficiary Farmer of Land Measurement
  - Sample Photographs

## **Land Measurement**

Land measurement is a crucial aspect of agriculture in India. Accurate measurement ensures efficient land utilization, effective planning, and proper resource allocation. This article aims to provide a comprehensive guide to agricultural land measurement units in India, shedding light on common unit and measurement, state-specific units, the importance of standardization, and the tools and techniques used in land measurement.

A land measurement is individual researches what the recorded boundaries are for each inspected property. This research helps the land surveyor know how to read the land and establish justifiable survey markers.

A thorough land measurement should include information about who owns the property, what the size and shape are for the land parcel, where the boundary lines exist for the property, and what exists on the property and where (e.g., utility covers, septic tanks, fences, water features). Soil conditions and elevation changes (slope of the land) should also be included in the survey.

### **Objectives:**

- To determine the relative position of any objects or points on the earth.
- To determine the distance and angles between various objects.
- To prepare a map or plan to represent an area on a horizontal plane.
- To define control points and boundaries of an area, for example, a cadastral survey.

Among all the land measurement units used, square feet, acre, and hectare are the three most common units.

**Importance of Standardization in Land Measurement:**

Land measurement is crucial for land management in agriculture, real estate, and urban planning. Standardization of measurement units ensures clarity, consistency, and fairness. It prevents disputes and confusion in transactions and comparisons. The government promotes uniformity nationwide, facilitating accurate communication, fair valuation, and efficient land use planning. Standardization fosters economic efficiency, legal certainty, and transparent governance. It supports sustainable development and informed decision-making, benefiting all stakeholders.

**How is land measured in Maharashtra?**

The land measurement unit called 'Guntha' is commonly used in Maharashtra. Guntha is officially equal to 121 square yards (square yard), 101.17 square meters (square m), or 1,089 square feet (square feet). Furthermore, 40 gunthas equal one acre.

**Best Practice:**

Land Measurement is the best practice of Department of Geography. Land measurement is done as per the farmers demands. This practice is done with the help of UG and PG Students of the Department. Since last five years the land measurement was done of the farmers from the villages like Patane, Mungse, Jwardi, Jalgaon, Dabhadi, Chandanpuri Etc. The farmers were satisfied due to the land measurement many of land holding issues of some farmers were pending since a long period was resolved.

### **Beneficiary Farmer of Land Measurement**

<b>Sr. No.</b>	<b>Name of the Farmers</b>	<b>Village</b>
1	Vijay Nanaji Hirey	Kakdgaon
2	Uttam Narayan Deore	Kakdgaon
3	Ravindra Pralhad Shewale	Nampur
4	Ashok Motiram Thakare	Brahmanpade
5	Deepak Narayan Thakare	Vadel
6	Ragho Sukhdeo Pagar	Utrane

अब्रुवावत नमूना : 26/08/2018

गान नमुना सात (अधिकार अभिलेख पत्रक)

[ महाराष्ट्र जमीन मंडळाला अधिकार दिलेल्या स्थिति नोंदवद्धा (उपराट करणे व सुविधीत ठेवणे) नियम, १९७१ भारतीय नियम ३.५.६ भाषित ]

गाव :- काकरमाथ (550070)  
ULPIN : 17733373547

गट क्रमांक व उपविभाग : 133

तालुका :- बायलाण

जिल्हा :- नाशिक

भूधारणा पत्रकी :		भोगवटादार वर्ग - I		भोताचे स्थानिक माव :				जिरादा	
क्षेत्र, एकक व आकारणी	खाते क्र.	भोगवटादाराचे नांव	क्षेत्र	आकार	पो. ख.	फ. पा.	(528)	कुडा, खांब व इतर अधिकार	
क्षेत्राचे एकक (अ) सरकारी क्षेत्र 1.17.00 सामान्य सामान्य (क) सार्वजनिक क्षेत्र 1.17.00 (ल) गट-सार्वजनिक क्षेत्र (म) सामान्य क्षेत्र 0.10.00 गट (अ) गट (क) उत्तर क्षेत्र निर्देशी 1.27.00 आकारणी 2.00 मुखी किंवा विक्रेता प्रकारणी	169	विभव नागानी हिरे	1.17.00	2.00	0.10.00			कुडाचे माव व कुडा	
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हस्त अधिकार									
क्षेत्र :- सरकारी क्षेत्रातील हस्तांतर									
काकरमाथ वि. का. प्र. सी. र. क. 1350000 - दि. 26/09/2006 (429)									
काकरमाथ वि. का. प्र. सी. र. क. 3500000 - दि. 04/04/2006 (429)									
क्षेत्र :- सरकारी क्षेत्रातील हस्तांतर									
काकरमाथ वि. का. प्र. सी. र. क. 4300000 - दि. 22/09/2006 (430)									
क्षेत्र :- सरकारी क्षेत्रातील हस्तांतर									
काकरमाथ वि. का. प्र. सी. र. क. 7500000 - दि. 03/09/2014 (472)									
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प्रतिबंध देण्यात येतो :- नाही.									
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अंतीम देण्यात येतो :- 1286 व निष्ठा :- 26/03/2018									
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हीमा आणि प्रधानाचे नियम :-									

जल देण्यात येतो :- (363 X 395 X 472 X 516 X 1222 X 1286)

मुचना : या संकेतस्थळावर दर्शविलेली माहिती ही कोणत्याही शासकीय अथवा कायदेशीर बाबीसाठी वापरता येणार नाही.

गान नमुना बारा (किांनी नोंदवद्दी)

[ महाराष्ट्र जमीन मंडळाला अधिकार दिलेल्या स्थिति नोंदवद्धा (उपराट करणे व सुविधीत ठेवणे) नियम, १९७१ भारतीय नियम २.५ ]

गाव :- काकरमाथ (550070)

तालुका :- बायलाण

जिल्हा :- नाशिक

गट क्रमांक व उपविभाग : 133

वर्ष		हंगाम	खाता क्रमांक	चिकाचा प्रकार	चिकाचे नाव	जल सिंचित	अजल सिंचित	जल सिंचनाचे साधन	स्वरूप	क्षेत्र	क्षेत्र
(१)	(२)	(३)	(४)	(५)	(६)	(७)	(८)	(९)	(१०)	(११)	(१२)
2020-21	सरिय			निर्घेत	मका	0.8000	0.3700				
2021-22	सरिय	169		निर्घेत	मका	0.8000	0.3700				
		169		निर्घेत	मका	0.8000	0.3700				
	रब्बी	169		निर्घेत	मका	1.2700					
2022-23	सरिय	169*		निर्घेत	मका	1.2700					

टीप : \* सदरची नोंद मोबाइल अप द्वारे घेणेत आलेली आहे

मुचना : या संकेतस्थळावर दर्शविलेली माहिती ही कोणत्याही शासकीय अथवा कायदेशीर बाबीसाठी वापरता येणार नाही.

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## **Sample Photographs**

Land Measurement AY 2019-20



**Land measurement was done on 17 September 2019 through Geography Department. Head of Department Dr. R. V. Patil and SY/TYBA Students. While measured land by owned Shri. Vijay Nanaji Hirey (Kakdgaon)**



## **Land Measurement AY 2022-23**



**Land measurement was done on 19/03/2022 through Geography Department. Head of Department Dr. S. A. Deore and SY/TYBA Students. While measured land by owned Shri. Ravindra Pralhad Shewale (Nampur)**



## **Land Measurement AY 2023-24**



**Land measurement was done on 24/03/2023 through Geography Department. Head of Department Prof. S. R. Pagar and SY/TYBA Students. While measured land by owned Shri. Deepak Narayan Thakare (Nampur)**



## **Land Measurement AY 2021-22**



**Land measurement was done on 20/12/2021 through Geography Department. Head of Department Dr. D. N. Thakare and SY/TYBA Students. While measured land by owned Shri. Uttan Narayan Deore (Kakdgaon)**