

THIS TEST REPORT VALID UPTO 31/03/2026



**MASCHIO GASPARDO ROTARY TILLER, Model: PADDY 205  
(Gear Drive) (Tractor Operated)**



सत्यमेव जयते  
भारत सरकार  
GOVT OF INDIA

कृषि एवं किसान कल्याण मन्त्रालय

MINISTRY OF AGRICULTURE & FARMERS WELFARE

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DEPARTMENT OF AGRICULTURE, COOPERATION & FARMERS WELFARE

उत्तर पूर्वी क्षेत्र कृषि यंत्र प्रशिक्षण एवं परीक्षण संस्थान

NORTH EASTERN REGION FARM MACHINERY TRAINING & TESTING INSTITUTE

विश्वनाथ चारिआलि, जिला-विश्वनाथ (असम)

BISWANATH CHARIALI: BISWANATH: ASSAM, PIN - 784 176

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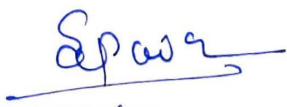

**9. DEFECTS, BREAKDOWNS AND REPAIRS**

No breakdown was occurred during 43.3 h of wet land and dry land operation

**10. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATIONS**

- 10.1 The dimension of three point linkage (hitch pyramid) of the rotary tiller does not conform to IS. 4468-1997. This should be looked into for corrective action for standardization.
- 10.2 Hardness of rotor blades edge portion does not confirm to IS 6690:1981. This needs to be looked into for corrective action at production level.
- 10.3 The rate of work was recorded 0.431 to 0.488 ha/h at forward speed of 2.58 to 2.83 kmph in dry land operation.
- 10.4 The Machines working width is not specified. It Must be specified.
- 10.5 The depth of operation in dry land operation was recorded as 7.9 to 10.6 cm with soil moisture content of 9.59 to 16.66 % in sandy loam soil and considered on lower side. The depth of puddle was recorder as 18.2 to 22.2 cm which is considered as normal for wetland operation.
- 10.6 The hourly rate of wear of blade on mass basis in Wet land & Dry land operations was recorded as 0.02 to 0.07.% and 0.24 to 0.51 % respectively.
- 10.7 The hourly rate of wear of blade on dimensional basis in Wet land & Dry land operations was recorded as 0.05 to 0.15% and as 0.03 to 0.65 % respectively.
- 10.8 No ingress of mud and/or water was found in primary and secondary reduction boxes after 43.3 hr of field operations and the sealing provided on different subassemblies were found effective.
- 10.9 **Technical literature:**  
An Operator cum Service Manual & Parts Catalogue was provided along with the machine during the course of testing. It is further recommended to bring out these manuals in Hindi and other vernacular languages as per IS: 8132-1999.

**TESTING AUTHORITY**

<p style="text-align: center;"><b>S. G. PAWAR</b> AGRICULTURAL ENGINEER</p>	
<p style="text-align: center;"><b>K.K. NAGLE</b> DIRECTOR</p>	

Test conducted and Draft test report compiled by - Shri Ashish Patel and Abhishek Tiwari