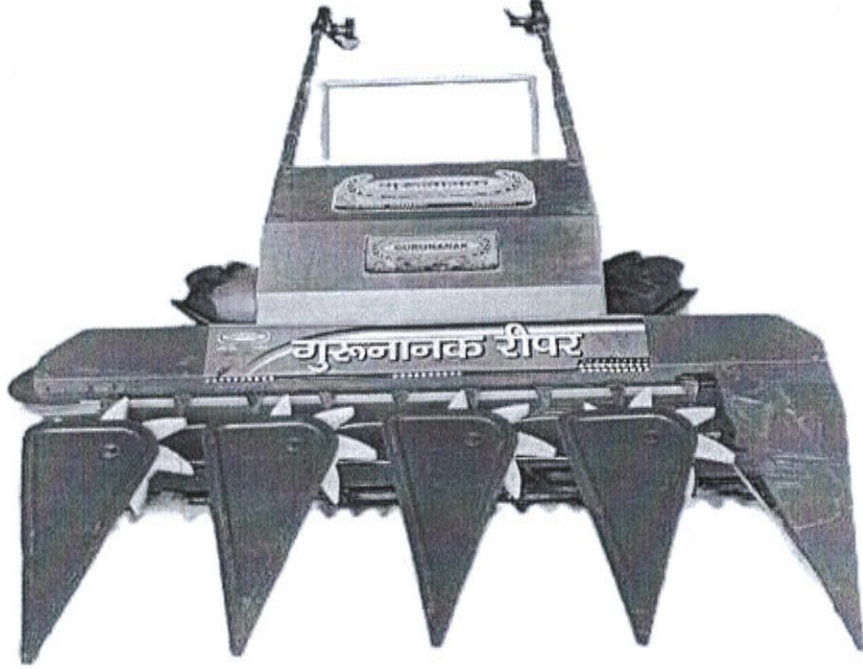


व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)
COMMERCIAL TEST REPORT
(INITIAL)

संख्या/No: Machine-506/1521
माह:/Month: July , 2023

THIS REPORT IS VALID UPTO 30.06.2028



GURUNANAK E- REAPER 1200



भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि एवं किसान कल्याण विभाग

Department of Agriculture and Farmers Welfare

दक्षिणी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

Southern Region Farm Machinery Training and Testing Institute

ट्रैक्टर नगर, गार्लदिन्ने-515 731, जिला: अनंतपुर (आं. प्र.)

Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)

[An ISO 9001:2015 CERTIFIED INSTITUTE]

Website: <http://srfmtti.dacnet.nic.in/>

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Tele.: 08551-286441

Machine-506/1521	GURUNANAK E- REAPER 1200	COMMERCIAL (ICT)
	THIS REPORT IS VALID UPTO 30.06.2028	

Manufacturer : M/s Guru Nanak Agriculture India Private Limited,
Village –Kandarka , Kumhari-Hiwara Road, Tehsil
- Dhamdha, Dist-Durg,Raipur-
492042,Chhattisgarh,India.

Applicant : The Manufacturer

GURUNANAK E- REAPER 1200

Report No. : **Machine-506/1521**

Month: **July**

Year: **2023**



सत्यमेव जयते

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12.1.4 Wear of cutter bar blade

S. No.	Before Operation (Kg)	After Operation (26.0 h)	Percent wear	Percent wear per hour
1	11.107	10.999	0.97	0.023

Remarks: - The hourly percentage wear was recorded as 0.023 % after operation of 26.00 h.

13. EASE OF OPERATION & ADJUSTMENTS

No difficulty was observed during the field operation and adjustment of the machine.

14. DEFECTS, BREAKDOWNS AND REPAIRS

S. No.	Items	Power Reaper R Hours
1.	No Breakdown	

15. SUMMARY OF OBSERVATIONS, COMMENTS & RECOMMENDATIONS

- 15.1 The amplitude of mechanical vibration on various assemblies of the Power Reaper was observed to the extent of 391 micron, which is on higher side. Therefore necessary action to reduce the vibration should be taken in future.
- 15.2 The dimension of Knife does not conform, in full, to IS: 6025-1982.
- 15.3 Provided labeling plate should be as per the requirement of IS.
- 15.4 **Wear of critical components:**
 i) The wear rate of cutter bar on mass basis was recorded as 0.023 % per hour.
 ii) Hardness of movable & stationary blade at its shank portion does not conform to the requirement as per IS 6025:1982 (Reaffirmed:1999).

Machine-506/1521	GURUNANAK E- REAPER 1200	COMMERCIAL (ICT)
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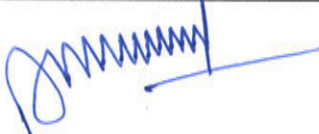

blades are not conforming to the requirement of relevant IS (IS 6025:1982 (Reaffirmed: 1999)).Therefore, this should be taken care for corrective action.

15.5 Provision for safety:

A safety pin at driven sprocket of conveyor chain is provided to protect of overloading of cutter bar.

15.6 Technical literature: Provided

TESTING AUTHORITY:

PRAMOD YADAV AGRICULTURAL ENGINEER	
P.KAMALABAI SENIOR AGRICULTURAL ENGINEER/ DIRECTOR(I/C)	

16. APPLICANT COMMENTS

Ok, No specific Comments