

THIS TEST REPORT IS VALID UPTO 30.11.2033



**SAI PEERA, PVS-MBP TWO BOTTOM FIXED MOULD BOARD PLOUGH
(Tractor Mounted)**



सत्यमेव जयते

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]

IMP-420/1769	SAI PEERA, PVS-MBP TWO BOTTOM FIXED MOULD BOARD PLOUGH (Tractor Mounted)	Commercial (First Batch)
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Manufacturer : M/s. Sai Peera Trailor Works,
Beside Naresh Complex, Gangavathi
Road, Sindhanur, Raichur (Dt.),
Karnataka -584 128.

Applicant : The Manufacturer

**SAI PEERA PVS-MBP TWO BOTTOM FIXED
MOULD BOARD PLOUGH (Tractor Mounted)**

Report No.: IMP-420/1769

Month: December

Year: 2024

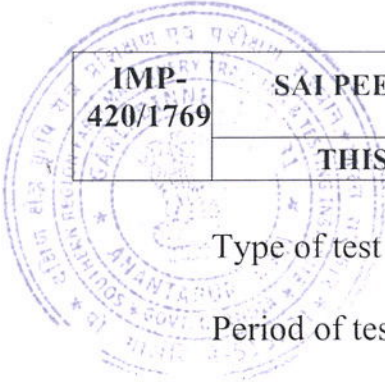


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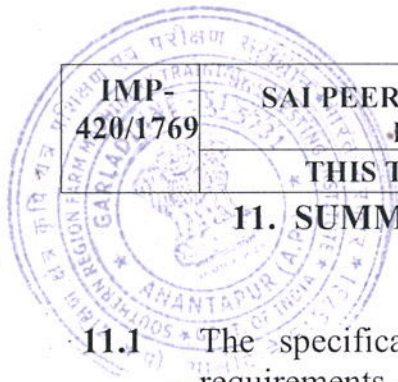
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	THIS TEST REPORT IS VALID UP TO 30.11.2033	

Type of test : COMMERCIAL (First Batch)
Period of test : October, 2024 to November, 2024
Test Report No. : IMP-420/1769
Month / Year : December, 2024

- i) The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- ii) The data given in this report pertain to the particular machine randomly selected for test by the testing authority at manufacturer site.
- iii) The results presented in this report do not, in any way, attribute to the durability of the machine.
- iv) This report should not be reproduced in part or full without prior permission of the Director, Southern Region Farm Machinery Training and Testing Institute, Garladinne, Anantapur (A.P.).
- v) This is the first batch test report and therefore, should be read in conjunction with the test report of base model i.e. “SAI PEERA, PVS-MBP TWO BOTTOM FIXED MOULD BOARD PLOUGH (Tractor Mounted)” which was tested under Initial commercial testing vide test report no. IMP-312/535 released in October, 2015. This report is valid up to 30.11.2033, Vide Ministry's O.M. No. 13-22/2020-M&T (I&P) dated 12.12.2023.

SELECTED CONVERSIONS

S. No	Units	Conversion Factor
1	Force	
	1 kgf	9.80665 N
		2.20462 lbf
2	Power	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 Kw	1.35962 Ps
3	Pressure	
	1 psi	6.895 kPa
	1 kgf/cm ²	98.067 kPa = 735.56 mm of Hg
	1 bar	100 kPa = 10 N/cm ²
	1 mm of Hg	1.3332 m-bar



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11. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATIONS

11.1 The specifications of plough share does not conform fully to the requirements of IS: 10691- 1983. It should be looked into for corrective action.

11.2 The specification of implement hitch does not conform fully to the IS: 4468 (Pt-I)-1997. It is recommended that the same should be provided conforming to the relevant Indian Standards.

11.3 **Hardness & Chemical Analysis:**
The hardness & chemical composition of share and bar point does not meet, in full, the requirement of IS: 10691-1983. This should be looked into for corrective action.

11.4 **Marking/ labeling:**
The labeling plate does not reveal all the required information. It is therefore recommended that a suitable labeling plate covering all essential components, interlaid, the following must be provided:


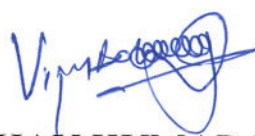

- I. Size of implement
- II. Type
- III. Country of origin
- IV. Batch or code number
- V. Country of origin
- VI. Weight, (kg)

11.5 **Adequacy of literature:**
User's manual is not provided during the test. However, the same must be brought out in Hindi & other regional languages as per IS 8132:1999 (Reaffirmed 2004) for the guidance of users.
The following literature should be provided.

- i) Service manual
- ii) Parts catalogue

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TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. VIJAY KUMAR BADAYA SENIOR AGRICULTURAL ENGINEER
 Dr. B.M. NANDEDE DIRECTOR	



13. APPLICANT COMMENTS

Sl. No.	Para No.	Comments
1	11.1	The company would work on the same to bring the specification of plough share to meet the requirement of IS: 10691- 1983.
2	11.2	The company would work on the same to bring specification of implement hitch to meet the requirement of IS: 4468 (Pt-1)-1997.
3	11.3	We will do corrective improvement in the future product for chemical analysis of share and bar point to meet the requirement of IS: 10691-1983.
4	11.4	We will do corrective improvement in the future product for hardness of share and bar point to meet the requirement of IS:10691- 1983.
5	11.5	We will be brought out literature as per IS: 8132-1999.