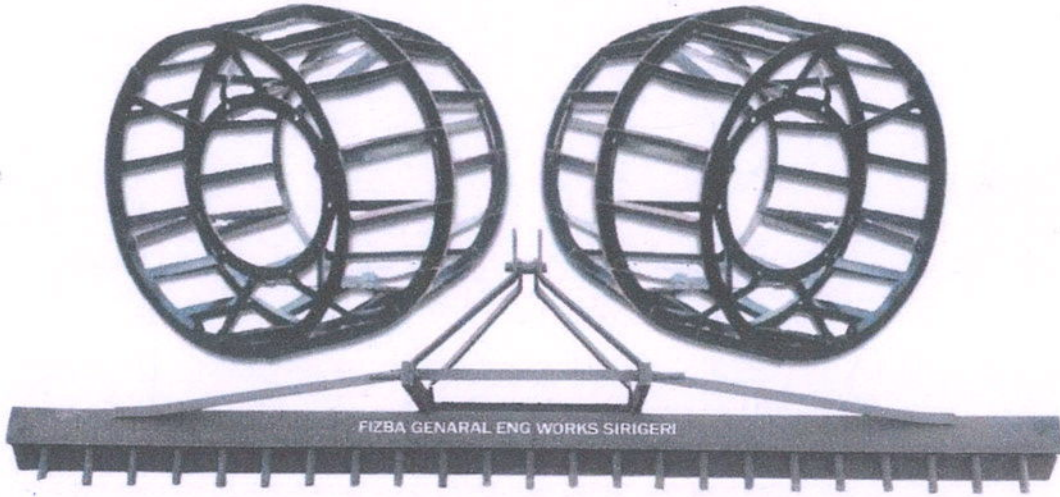


THIS TEST REPORT IS VALID UP TO 30.11.2033



**FIZBA, PPFCW PUDDLER WITH FULL CAGE WHEELS
(Tractor Mounted)**



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

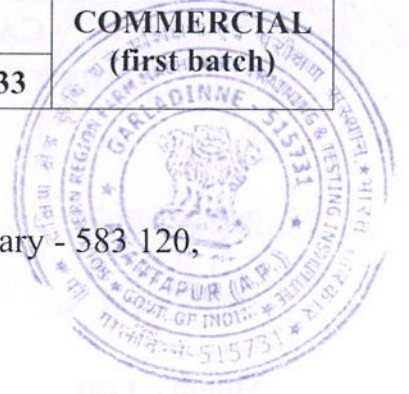
Southern Region Farm Machinery Training and Testing Institute

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-426/1781 | FIZBA, PFCW PUDDLER WITH FULL CAGE WHEELS (Tractor Mounted) | COMMERCIAL (first batch) |
| | THIS TEST REPORT IS VALID UP TO 30.11.2033 | |



Manufacturer : M/s. Fizba Engineering,
Sirigeri, Siruguppa Taluk, Bellary - 583 120,
Karnataka.

Applicant : The Manufacturer

FIZBA PFCW PEG TYPE PUDDLER WITH FULL CAGE WHEELS

Report No.: IMP-426/1781

Month: December

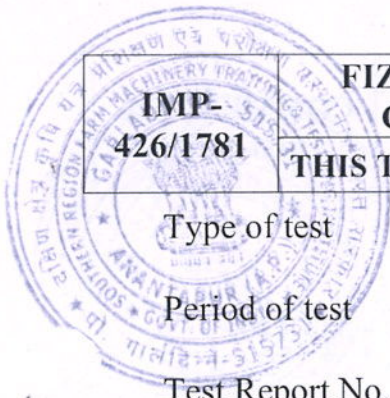
Year: 2024



Government of India
Ministry of Agriculture and Farmers Welfare
Department of Agriculture and Farmers Welfare
Southern Region Farm Machinery Training and Testing Institute
Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)
[An ISO 9001:2015 CERTIFIED INSTITUTE]

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

E-mail: fnti-sr@nic.in



| | | |
|--------------|--|--------------------------|
| IMP-426/1781 | FIZBA, PPFCW PUDDLER WITH FULL CAGE WHEELS (Tractor Mounted) | COMMERCIAL (first batch) |
| | THIS TEST REPORT IS VALID UP TO 30.11.2033 | |

Type of test : COMMERCIAL (first batch)
 Period of test : November, 2024 to December, 2024
 Test Report No. : **IMP-426/1781**
 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 by testing authority.
- iii) The results presented in this report do not, in anyway, attribute to the durability of the machine.
- iv) This Test Report should not be reproduced in part or full without prior permission of the Director, Southern Region Farm Machinery Training & 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. “FIZBA, PPFCW PUDDLER WITH FULL CAGE WHEELS (Tractor Mounted)” which was tested under Initial commercial testing vide test report no. **IMP-374/661**, released in May 2016. 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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9. EASE OF OPERATION & ADJUSTMENTS

No noticeable difficulty was observed during the operation and adjustment of Peg type Puddler with Full cage wheels.

10. DEFECTS, BREAKDOWNS AND REPAIRS


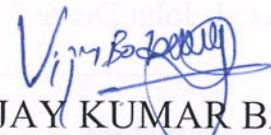
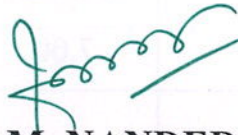
No noticeable defect occurred in the Peg type puddler with Full cage wheels during the test.

11. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATION

- 11.1** The specification of implement hitch does not conform fully to the IS: 4468 (Pt-I)-1997 (Reaffirmed 2012). It is recommended that the same should be provided conforming to the relevant Indian Standards.
- 11.2** Except carbon content remaining all constituents of peg material is conforming the relevant code, so it should be looked into for corrective action.
- 11.3** The specification of Full cage wheel does not conform, in full, to the requirements of IS: 11081: 1993 (Reaffirmed 1997). This should be looked into for corrective action.
- 11.4 Adequacy of literature:**
No literature with test sample was supplied for the reference during test & hence it is recommended that operation, maintenance, service manual & parts catalogue as per IS: 8132-1999 (Reaffirmed 2004) should be brought out for the guidance of technical personnel.

| | | |
|------------------|--|-----------------------------|
| IMP- 426/1781 | FIZBA, PFCW PUDDLER WITH FULL CAGE WHEELS (Tractor Mounted) | COMMERCIAL (first batch) |
| | THIS TEST REPORT IS VALID UP TO 30.11.2033 | |

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 | We will take corrective action as per IS 4468 (Pt-I):1997 (Reaffirmed 2012). |
| 2 | 11.2 | We will take corrective action future production. |
| 3 | 11.3 | We will take corrective action as per IS: 11081: 1993 (Reaffirmed 1997). |
| 4 | 11.4 | We will take corrective action as per IS 8132:1999 (Reaffirmed 2004). |