

THIS TEST REPORT IS VALID UPTO 31.12.2031



**SAI PEERA, SD 8 TYNE SEED CUM FERTILIZER DRILL
(Tractor Mounted)**



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

ट्रेक्टर नगर, गार्लदिन्ने-515 731, जिला: अनंतपुर (आ. प्र.)

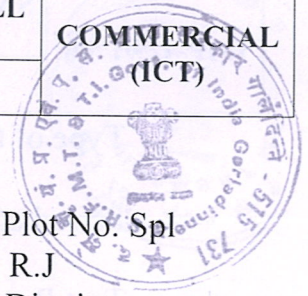
Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)

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

E-mail: fnti-sr@nic.in

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| IMP-429/1790 | SAI PEERA, SD 8 TYNE SEED CUM FERTILIZER DRILL (Tractor Mounted) | COMMERCIAL (ICT) |
| | THIS TEST REPORT IS VALID UP TO 31.12.2031 | |



Manufacturer : M/s. Sai Peera Tractor Works, Plot No. Spl-15 & Spl-16, Industrial Estate, R.J. Hosahalli, Sindhanur, Raichur District, Karnataka-584128.

Applicant : The Manufacturer

**SAI PEERA, SD 8 TYNE SEED CUM FERTILIZER DRILL
(Tractor Mounted)**

Report No.: IMP-429/1790

Month: January

Year: 2025

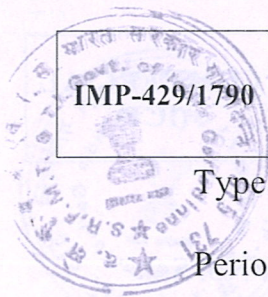


सत्यमेव जयते

**Government of India
Ministry of Agriculture and Farmers Welfare
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Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)
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Type of test : COMMERCIAL (ICT)

Period of test : October, 2024 to January, 2025

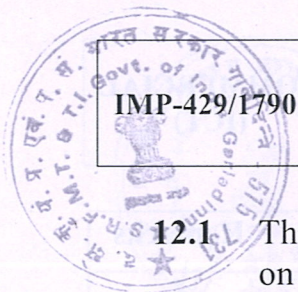
Test Report No. : IMP-429/1790

Month / Year of release : January, 2025

- 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 alone selected randomly for test by the testing authority through virtual mode.
- 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 a report on Commercial Test of Seed cum Fertilizer Drill named "SAI PEERA, SD 8 TYNE SEED CUM FERTILIZER DRILL (Tractor Mounted)". This report is valid up to 31.12.2031 Vide Ministry's O.M. No. 13-24/2018-M&T (I&P) dated 19.09.2018.

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 |



12. COMMENTS & RECOMMENDATIONS

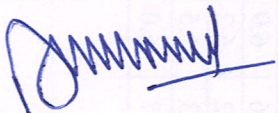
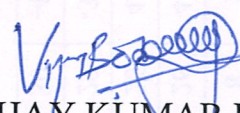
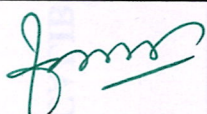
- 12.1** The seed and fertilizer box should be provided with self-locking mechanism on being opened.
- 12.2** Accessories like row marker, press wheel and area recorder need to be provided.
- 12.3** The specification of implement hitch does not conform fully to the IS: 4468 (Pt-I)-1997. It is recommended that the same should be provided conforming to the relevant Indian Standards.
- 12.4 Chemical analysis:**
Chemical composition of Share point and bar point does not conform the requirement of IS 6690: 1981. This should be looked into for corrective action.
- 12.5 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, inter alia, the following must be provided:
- Type
 - Size
 - Type of seed (suitability)
 - Mass
- 12.6 Technical Literature:**
Operation manual, Service manual, Maintenance manual and Spare parts catalogue of seed cum fertilizer drill in English is not provided for reference during the test. However, this may be brought out in Hindi and other regional languages as per IS: 8132- 1999 (Reaffirmed 2004) for the sake of user & technical personnel.

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13. Applicant's Comments

| Reference | Our Comments |
|-----------|---|
| 1 | We will Change the dimensions of three-point linkage as per IS: 4468 (Pt-1)-1997 for the next manufacture of seed cum fertilizer drill. |
| 2 | We will change the quality of chemicals of seed cum fertilizer drill shovel as per IS:6690-1981 which is mentioned above. |
| 3 | We will provide the depth adjustments of furrow openers as per IS:6813-2000 |
| 4 | We will provide the foot board, marker for next manufacturing |
| 5 | We will improve the design for proper dropping the seed and fertilizer for effective sowing. |
| 6 | We will provide the technical literature in as per IS: 8132-1999. |

TESTING AUTHORITY

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

