



**SHAKTIMAN SVPP – 250 – S PNEUMATIC PLANTER
(Tractor Mounted)**



भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि, सहकारिता एवं किसान कल्याण विभाग

Department of Agriculture, Cooperation 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]

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Machine-305/1071	SHAKTIMAN SVPP – 250 – S PNEUMATIC PLANTER (Tractor Mounted)	CONFIDENTIAL
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Manufacturer : M/s. Tirth Agro Technology Pvt. Ltd.,
SHAKTIMAN, Survey No. 108/1,
Plot No. B, NH-27, Near Bharudi Toll Plaza,
Village-Bhunava, Taluka-Gondal, Dist. Rajkot,
State-Gujarat – 360311, **India.**

Applicant : The Manufacturer

SHAKTIMAN SVPP – 250 – S PNEUMATIC PLANTER (Tractor Mounted)
Report No.: Machine-305/1071 Month: September Year: 2019



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10. COMMENTS & RECOMMENDATIONS

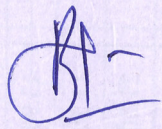
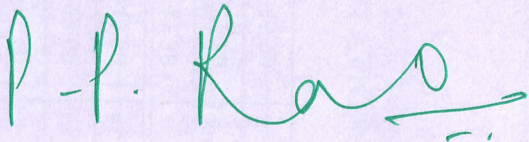
- 10.1 Tine assembly is provided with adjustable spring to facilitate the work in different soil conditions.
- 10.2 The three point linkage system of the seed drill does not conform in full to IS 4468 (Part 1):1997 . This should be looked into.
- 10.3 The seed and fertilizer box are provided with self-locking mechanism on being opened.
- 10.4 Hardness of the furrow openers was recorded as 351.8 to 521.1 HB and 359.0 to 519.8 HB for seed and fertilizer respectively against the declared limit of 350 to 450 HB and 353 to 421 HB respectively.
- 10.5 It is recommended that a permanent metallic calibration plate indicating the metering position and quantity of seed and fertilizer should be attached under the top cover of the seed box.
- 10.6 The variation in dropping of seed among different furrow openers was observed within the limit.
- 10.7 Furrow covering device with adjustable provision is provided to facilitate the sowing operation.
- 10.8 Individual On/Off provision and seed regulation are provided in seed dropping mechanism
- 10.9 A fertilizer tube provided on the machine should be as per IS.
- 10.10 A agitator in fertilizer box has not been provided. It should be looked into for corrective action.
- 10.11 The variation in dropping of fertilizer among different furrow openers was observed to be high and therefore needs to be looked into for corrective action.
- 10.12 Variation in quantity of seed dropping due to change in speed was observed as high. therefore the necessary corrective action should be taken.

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10.13 Technical Literature:

Operator's manual cum Spare parts catalogue of seed drill in English was provided in a single booklet form 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.

TESTING AUTHORITY:

B.N. DIXIT AGRICUTLURAL ENGINEER	
Dr. P.P. RAO DIRECTOR	

11. APPLICANT'S COMMENTS

Para No.	Our reference	Applicant's comments
(1)	(2)	(3)
11.1	10.6	The dimension of three point linkage system of implements will be modified to confirm as per IS 4468 (Part 1) : 1997.
11.2	10.9	We will take necessary actions on this observation
11.3	10.10	We will take necessary actions on this observation
11.4	10.11 & 10.12	This machine tested as per IS of seed cum fertilizer drill, as of now no any separate code available for "Pneumatic planter" hence such a variation observed in report. In future we will take necessary action as per "Pneumatic Planter Code".
11.5	10.13	As per IS 8132:1999 (Reaffirmed 2004), we will take necessary actions on this observation, and provide operators manual cum spare part catalogue of machine in other regional languages.