



**S.R.TRADERS SRT 2 DP TWO BOTTOM DISC PLOUGH
(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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IMP-541/1158	S.R.TRADERS SRT 2 DP TWO BOTTOM DISC PLOUGH (Tractor Mounted)	COMMERCIAL (ICT)
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Manufacturer : M/s. S.R. Traders,
140/113, M.D. Complex, 3rd Ward,
Chamraj Nagar Road,
Gundalpet-571 111, Karnataka, **India.**

Applicant : The Manufacturer

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Report No.: IMP-541/1158

Month: May

Year: 2020



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7.1.4 Labour requirement:

One skilled operator is needed to operate the tractor and the implement simultaneously.

7.2 Wear of discs

7.2.1 On mass basis:

Sl. No.	Initial Mass (g)	Final Mass (g)	Loss of mass (g)	Percentage of Wear	
				After 25.5 h	Per hour
1.	14930.0	14560.0	370	2.48	0.09
2.	13800.0	13480.0	0.32	2.32	0.09

The hourly percentage wear of discs on mass basis was recorded as 0.09 %.

8. EASE OF OPERATION & ADJUSTMENTS

No noticeable difficulty was observed during the operation and adjustment of disc plough.

9. DEFECTS, BREAKDOWNS AND REPAIRS

No noticeable defect occurred in the disc plough during the entire test.

10. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATION

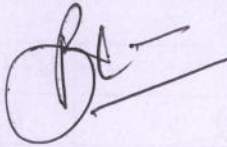
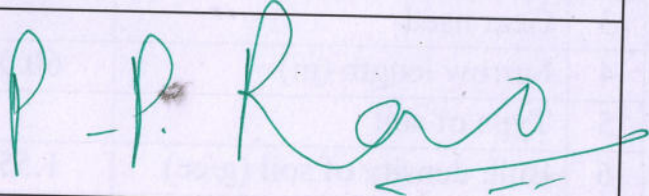
- 10.1 The specification for agricultural tillage disc does not conform in full, to the requirements of IS 4366 (Part-1):1985 (Reaffirmed 2001).
- 10.2 The specification of implement hitch does not conform fully to the IS 4468 (Pt-I):1997 (Reaffirmed 2012). It is recommended that the same should be provided conforming to the relevant Indian Standards.
- 10.3 The specification of the disc plough does not conform, in full, to the requirements of IS 10233:1982 (Reaffirmed 1999). This should be looked into for corrective action.
- 10.4 Hardness of the tillage disc conforms to the requirement.
- 10.5 Only carbon content of disc is lower than the requirement as stipulated in IS 4366 (Part-1):1985 (Reaffirmed 2001). This should be looked into for corrective action.
- 10.6 The provided labeling plate should be as per the requirement of IS.

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10.7 Adequacy of literature:

Operation manual, Service manual, Maintenance manual and Spare parts catalogue of disc plough in English was provided in 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 AGRICULTURAL ENGINEER	
Dr. P.P. RAO DIRECTOR	

11. APPLICANT'S COMMENTS

"In future we will follow your suggestions while manufacturing the two bottom disc plough".