

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)  
COMMERCIAL TEST REPORT  
(INITIAL)

संख्या/No: Imp-374/1260  
माह/Month: March, 2021  
Validity: 28.02.2028



**SANJEEVARAYA ENGINEERING WORKS, SEW 9 SC  
NINE TYNE SPRING LOADED CULTIVATOR (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.)

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Tele.: 08551-286441

<b>Imp-374/1260</b>	<b>SANJEEVARAYA ENGINEERING WORKS, SEW 9 SC NINE TYNE SPRING LOADED CULTIVATOR (Tractor Mounted)</b>	<b>COMMERCIAL (ICT)</b>
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Manufacturer : M/s. Sanjeevaraya Engineering Works,  
RTC Bus Stand Complex,  
Dharmavaram-515 671, Anantapuramu  
District, Andhra Pradesh, **India**

Name of Applicant : The Manufacturer

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### **8. DEFECTS, BREAKDOWNS AND REPAIRS**

No defect/breakdown and repair was occurred during entire period of field & lab tests.

### **9. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATION**




- 9.1 The dimensions of spring used in of the cultivator does not conform fully to the requirement of IS 6638:1972. This may looked into for corrective action.
- 9.2 The dimensions of tines does not conform fully with IS 7565 (Pt-I):1975 (Reaffirmed 1999). It should be looked into for corrective action.
- 9.3 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.
- 9.4 The specification of reversible shovel does not conform fully to the IS 6813:2000. It is recommended that the same should be provided conforming to the relevant Indian Standards.
- 9.5 The bolt used for shovel is Hexagonal bolt, it is recommended to use the Counter sunk bolt as per IS 6813: 2000.
- 9.6 The hardness of shovels meets the requirement of IS: 6813:2000.
- 9.7 All constituents except Carbon content are conforming the requirements of IS 6690:1981 (Reaffirmed 2012). Therefore corrective action in respect of carbon content should be taken.

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**9.7 Adequacy of literature:**

The provided literatures are not found adequate. Operation manual, Service manual, maintenance manual and parts catalogue of trailer in English are required to provide for easy use of users in separate booklets. 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 in booklets form

**TESTING AUTHORITY:**

D. C. MOULI AGRICULTURAL ENGINEER	
P. C. MESHARAM SENIOR AGRICULTURAL ENGINEER	
Dr. P. P. RAO DIRECTOR	

**10. APPLICANT'S COMMENTS**

We have noted your suggestions, as per the possibility we will try to implement all your suggestions in future production.