

**THIS TEST REPORT IS VALID UP TO 31/07/2031**



**BOJARAJA, SRE 5 FTGD ROTAVATOR**



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

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

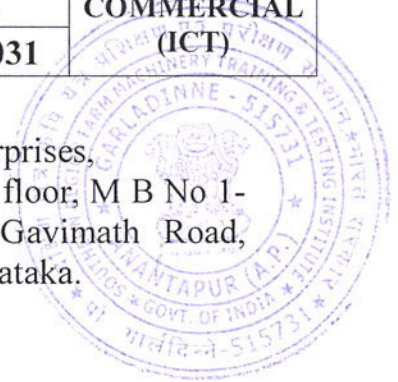
Tractor Nagar, Garladinne - 515 731, District: Anantapur (A.P.)

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IMP-397/1684	<b>BOJARAJA, SRE 5 FTGD ROTAVATOR</b>	<b>COMMERCIAL (ICT)</b>
	<b>THIS TEST REPORT IS VALID UPTO 31/07/2031</b>	

Manufacturer : M/s. Sri Renuka Enterprises,  
Shop No.03 , Ground floor, M B No 1-  
6-584a / 1-7-696a, Gavimath Road,  
Koppal-583231, Karnataka.

Name of the applicant : The Manufacturer.



**BOJARAJA, SRE 5 FTGD ROTAVATOR**

Report No.: IMP-397/1684

Month: August

Year: 2024



सत्यमेव जयते

**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.)**  
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IMP-397/1684	<b>BOJARAJA, SRE 5 FTGD ROTAVATOR</b>	<b>COMMERCIAL (ICT)</b>
	<b>THIS TEST REPORT IS VALID UPTO 31/07/2031</b>	

Type of test : COMMERCIAL (ICT)

Period of test : April, 2024 to July, 2024

Test Report No. : **IMP-397/1684**

Month /Year of release : August, 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 for test by the testing authority by 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 rotavator named "**BOJARAJA, SRE 5 FTGD ROTAVATOR**". This report is valid up to **31/07/2031**, Vide Ministry's O.M. No. 13-22/2020-M&T (I&P) dated 12.12.2023

### SELECTED CONVERSIONS

S. No	Units	Conversion Factor
<b>1</b>	<b>Force</b>	
	1 kgf	9.80665 N 2.20462 lbf
<b>2</b>	<b>Power</b>	
	1 hp	1.01387 metric hp (Ps) 745.7 W
	1 Ps	735.5 W
	1 Kw	1.35962 Ps
<b>3</b>	<b>Pressure</b>	
	1 psi	6.895 kPa
	1 kgf/cm <sup>2</sup>	98.067 kPa = 735.56 mm of Hg
	1 bar	100 kPa = 10 N/cm <sup>2</sup>
	1 mm of Hg	1.3332 m-bar

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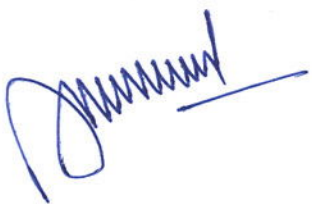


1	2	3	4	5
19 Literature		Operator manual, service manual and parts catalogue should be provided	Not provided	<b>Does not conform</b>

#### 14. SUMMARY OF OBSERVATIONS, COMMENTS & RECOMMENDATIONS

- 14.1 No ingress of dust and water/mud in primary reduction gear box, secondary reduction gear box, and rotary axle bearing cap was observed.
- 14.2 Breather cap, oil level dipstick in primary and secondary gearbox are provided.
- 14.3 The chemical composition of rotor blades does not meet, in full, the requirement of IS: 6690-1981. This should be looked into for corrective action.
- 14.4 It is recommended to provide a device for changing the rotor speed to suit wider range of soil and soil moisture conditions.
- 14.5 Safety device is provided in rotavator propeller shaft.
- 14.6 Provision for parking stand is provided in rotavator.
- 14.7 **Technical literature:**  
User's manual is not provided during the test. However, the same must be brought out in Hindi & other regional languages as per IS 8132:1999 (Reaffirmed 2004) for the guidance of users.  
The following literature should be provided.
- i) Service manual
  - ii) Parts catalogue

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**TESTING AUTHORITY**

<p align="center">Er. PRAMOD YADAV AGRICULTURAL ENGINEER</p>	
<p align="center">Dr. B.M. NANDEDE DIRECTOR</p>	 

**15. APPLICANT COMMENTS**

Nil