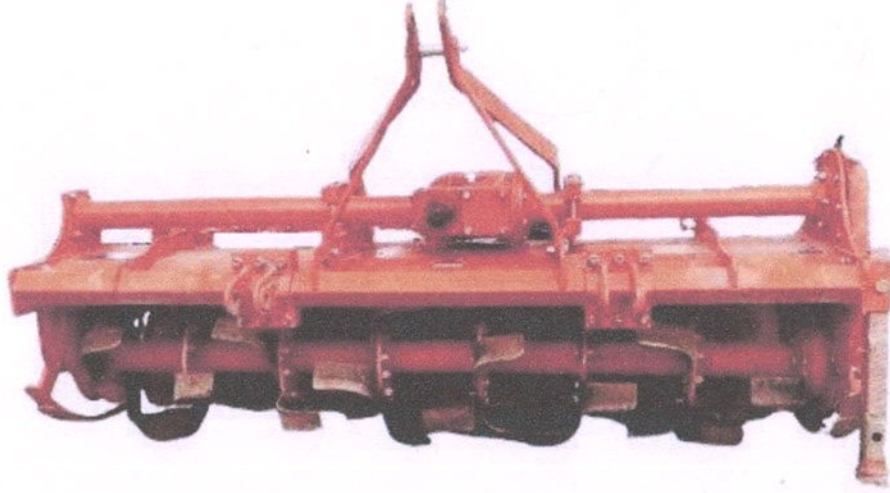


**THIS TEST REPORT IS VALID UP TO 30.11.2031**



**RAITHA SHAKTI, SVE6 GD 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

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

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

[An ISO 9001:2015 CERTIFIED INSTITUTE]

IMP-422/1774	RAITHA SHAKTI, SVE 6 GD ROTAVATOR	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UPTO 30.11.2031	



Manufacturer : M/s. Shri Varaahi Enterprises Ground Floor, Building No./Flat No.: 238 Name Of Premises/Building: HERURU Road/Street: Gangavati Road, Nearby Landmark: Near Bus Stand, Locality/Sub Locality: Heruru, City/Town/Village: Gangawati, District: Koppal State: Karnataka, PIN Code: 583227.

Name of the applicant : The Manufacturer

### RAITHA SHAKTI, SVE6 GD ROTAVATOR

Report No.: IMP-422/1774

Month: December

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.)**  
**[An ISO 9001:2015 CERTIFIED INSTITUTE]**

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

E-mail: [fmti-sr@nic.in](mailto:fmti-sr@nic.in)





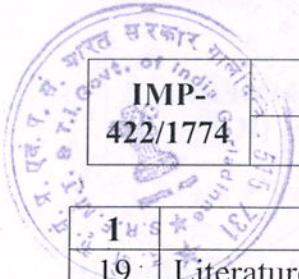
IMP-422/1774	<b>RAITHA SHAKTI, SVE 6 GD ROTAVATOR</b>	<b>COMMERCIAL (ICT)</b>
	<b>THIS TEST REPORT IS VALID UPTO 30.11.2031</b>	

- Type of test : COMMERCIAL (ICT)
- Period of test : November, 2024 to December, 2024
- Test Report No. : IMP-422/1774
- Month /Year of release : December, 2024
- The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
  - The data given in this report pertain to the particular machine randomly selected for test by the testing authority by virtual mode.
  - The results presented in this report do not, in any way, attribute to the durability of the machine.
  - 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.).
  - This is a report on commercial test of rotavator named **"RAITHA SHAKTI, SVE6 GD ROTAVATOR"**. This report is valid up to **30.11.2031**, Vide **Ministry's O.M. No. 13-22/2020-M&T (I&P) dated 12.12.2023**

### SELECTED CONVERSIONS

S. No	Units	Conversion Factor
1	<b>Force</b>	
	1 kgf	9.80665 N
		2.20462 lbf
2	<b>Power</b>	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 Kw	1.35962 Ps
3	<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





IMP-422/1774	<b>RAITHA SHAKTI, SVE 6 GD ROTAVATOR</b>	<b>COMMERCIAL (ICT)</b>
	<b>THIS TEST REPORT IS VALID UPTO 30.11.2031</b>	

1	2	3	4	5
19	Literature	Operator manual, service manual and parts catalogue should be provided	Provided	Conforms

#### 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 is provided.

14.3 **Chemical analysis:**

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 **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, interlaid, the following must be provided:


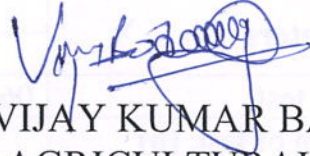

- i. Size (m) [Dia. of rotor × width of cut]
- ii. Country of origin
- iii. Recommended PTO speed of prime-mover
- iv. Maximum PTO Power required

14.8 **Technical literature:**

Operator's manual and parts catalogue of rotavator were supplied with test sample for reference during the test. It is however, recommended that same may be revised and brought out in Hindi & other regional languages as per IS 8132:1999 (Reaffirmed 2019) for the sake of user & technical personnel in booklet form.

IMP- 422/1774	RAITHA SHAKTI, SVE 6 GD ROTAVATOR	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UPTO 30.11.2031	

### TESTING AUTHORITY

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



### 15. APPLICANT COMMENTS

Sl. No.	Para No.	Comments
1	14.3	We will take corrective action in future.
2	14.4	We will take corrective action in future.
3	14.7	We will take corrective action in future.
4	14.8	We will take corrective action in future.