

व्यावसायिक परीक्षण रिपोर्ट
COMMERCIAL TEST REPORT

संख्या / No.: PT-157/1399
माह / Month: JULY, 2022
Validity: 30.06.2027

SECOND BATCH TEST



SHRACHI CHAMPION POWER TILLER



सत्यमेव जयते

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.)

[ISO 9001:2015 CERTIFIED INSTITUTION]

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

E-mail: fmti-sr@nic.in

Tele.: 08551-286441

PT- 157/1399	SHRACHI CHAMPION POWER TILLER (SECOND BATCH TEST)	COMMERCIAL
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Manufacturer : M/s. Bengal Tools Limited (Agro Div.),
2nd Jessore Road, Kolakata - 700 028,
West Bengal.

Applicant : The Manufacturer

SHRACHI CHAMPION POWER TILLER

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**SOUTHERN REGION FARM MACHINERY TRAINING & TESTING
INSTITUTE, ANANTAPUR, (A.P.)**

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	vibration at, (micron):		
	-Gear shifting lever	: 190	231
	-Steering handle grip	: 320	272
	-Rotary shaft speed change lever	: 230	285
	-Steering clutch lever	: 270	282
	-Accelerator lever	: 360	294
18.2.7	Haulage test:		
	-Gross mass of trailer, (tones)	: 1.5	1.5
	-Av. traveled speed, (kmph)	: 16.15	17.07
	-Distance traveled per liter of fuel consumption, (km)	: 14.03	12.49
	-Av. fuel consumption, (cc/km/tonne)	: 47.52	53.37
18.3	Maintenance/service problems:	: None	None
18.4	Adequacy of literature:	Operation manual, Maintenance manual and Part catalogue	Operation manual, Maintenance manual and Part catalogue

TESTING AUTHORITY:

B.N. DIXIT AGRICULTURAL ENGINEER		
P. KAMALABAI SENIOR AGRICULTURAL ENGINEER		
K.K. NAGLE DIRECTOR		

19. Applicants comments

We will take necessary corrective action for mentioned all comments.

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APPENDIX – I

**BRIEF SPECIFICATION OF IMPLEMENTS USED
DURING FIELD TEST**

Sl. No.	Item	Rotavator
1.	Make & model	Shrachi
2.	Supplied by	M/S.BTL EPC Limited (Agro Div.), 2 nd Jessore Road
3.	No. of blades, (mm)	20 (Blades at a time)
4.	Type of rotavator blades, (mm)	Straight + Hatchet
5.	Spacing of rotavator blade mounting socket (mm)	26 to 35
6.	Overall dimensions (mm):	
	- Length	745
	- Width	810
	- Height	630
7.	Gross mass (kg)	80

APPENDIX –II

BRIEF SPECIFICATION OF CAGE WHEEL

Sl. No.	Item	Cage wheel
1.	Type	Full
2.	Dia., (mm)	190
3.	Width, (mm)	230
4.	No & type of lugs	20+20
5.	Size of lugs, (mm) (L x W x H)	52.45x69.55x3.92(t)
6.	Spacing of lugs, (mm)	145 to 160
7.	Weight of each cage wheel, (kg)	21.0