

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

संख्या /No: Machine-435/1389
माह:/Month: June, 2022
Validity: 31.05.2027



**SONALIKA SLRORTP-6R SELF PROPELLED
RIDE ON RICE TRANSPLANTER**



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]

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

E-mail: fmti-sr@nic.in

Tele.: 08551-286441

Machine-435/1389	SONALIKA SLRORTP-6R SELF PROPELLED RIDE ON RICE TRANSPLANTER	COMMERCIAL (ICT)
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Manufacturer (apa) : **M/S. Sonalika Industries (A unit of ICML)**

Applicant : **M/S.Sonalika industries (A unit of ICML)
Vill Chak Gujran Po Piplanwala Jalandhar
Road, Hoshiarpur -146022 Punjab(India)**

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सत्यमेव जयते

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15. EASE OF OPERATION AND ADJUSTMENT

No difficulty was observed during the operation and adjustment of the machine.

16. DEFECTS, BREAKDOWNS AND REPAIRS

No defects & breakdowns were observed during the entire test.

17. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATIONS

17.1 Engine Performance:

17.1.1 The maximum power and rated power were observed as 14.5 kW under natural ambient condition against the declared value of 15.0 kW.

17.1.2 Specific fuel consumption of engine corresponding to maximum power was recorded as 320 g/kWh.

17.1.3 Max. Torque was observed as 46.4 Nm

17.1.4 Back up torque of engine was observed as 20.8 %.

17.2 Max. Noise at operator's ear level was observed as 95 dB (A).

17.3 The amplitude of mechanical vibration on most of the assemblies of the Rice Transplanter was observed on higher side and up to the maximum extent of 282 microns, which is on higher side therefore this should be taken care for corrective action.

17.4 **Engine parameter viz, Max power, rated power, SFC at Max power , SFC at rated rpm , Max torque and Max lubricant & coolant temperature should be declared in the printed literature.**

17.2 Field Test

The transplanter was operated in varying field conditions for a total period of 26.0 hours for transplanting ADT-53 variety of paddy seedlings. The results are summarized as under:-

- Av. Forward speed of operation was observed as 4.04 to 4.15 kmph.
- Av. area covered was recorded as 0.492 to 0.518 ha/h.
- Av. depth of transplanting was recorded as 5.7 to 6.5 cm.
- The spacing between rows was recorded as 30 cm.

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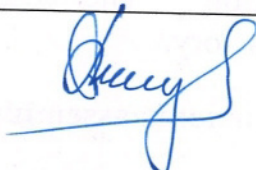
Machine-435/1389

17.6 Technical literature:

Operator's manual, and parts catalogue of Rice Transplanter in separate booklets were supplied with the Rice Transplanter for reference during the test. It is however, recommended that the same may be revised 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	
D.C. MOULI AGRICULTURAL ENGINEER	
K.K. NAGLE DIRECTOR	

Place of

18. APPLICANT'S COMMENTS

Thank you for the valuable suggestion/ comments we will take corrective action as per your comments

S. No.	Par
1	
A	Con
1.	Date
2.	Typ
4.	Prev
5.	Inter pudc (day)
6.	Av. (cm)
7.	Av. c pudc
8.	Av. . (con)
B	Con
1.	Vari
2.	Size
3.	Age
5.	Av. l
6.	Av. l (cm)
7.	Av. l (cm)