

प्रारंभिक व्यावसायिक परीक्षण रिपोर्ट
INITIAL COMMERCIAL TEST REPORT

संख्या/No. CSIR/CMERI/FMTTC/2025/013
माह/Month: MARCH 2025

THIS TEST REPORT VALID UP TO : 29th February, 2032



ASPEE AGRO EQUIPMENT Pvt. Ltd.
ASPEE REAPER
(MODEL: ASP/4RG)



सत्यमेव जयते

Government Of India



कृषि मशीनरी प्रशिक्षण और परीक्षण केंद्र
Farm Machinery Training and Testing Centre
सीएसआईआर- केन्द्रीय यांत्रिक अभियांत्रिकी अनुसंधान संस्थान
CSIR - Central Mechanical Engineering Research Institute

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CSIR/CMERI/FMTTC/2025/013

**ASPEE AGRO EQUIPMENT PVT. LTD.
ASPEE REAPER
(MODEL NO. – ASP/4RG)
(INITIAL COMMERCIAL TEST)**

Name of Machine : ASPEE Reaper
Type : Self-Propelled, walk behind
Make : ASPEE
Model : ASP/4RG
Name and address of Manufacturer : M/s. Aspee Agro Equipment Pvt. Ltd.
Survey/ Block No. 84, Village/ Post:
Balwada, Tal. Chikli, Dist. – Navasari, Pin –
396521, Gujarat
Name and address of Applicant : M/s. Aspee Agro Equipment Pvt. Ltd.
Survey/ Block No. 84, Village/ Post:
Balwada, Tal. Chikli, Dist. – Navasari, Pin –
396521, Gujarat
Test Conducted at : Farm Machinery Training and Testing
Centre CSIR - Central Mechanical
Engineering Research Institute, M G
Avenue, Durgapur, Pin – 713209, West
Bengal.

THIS TEST REPORT IS VALID UP TO: 29th February, 2032
[vide DAC&FW OM No. 13-22/2020- M&T (I&P) dated 12.12.2023]



Report No.: CSIR/CMERI/FMTTC/2025/013

Month: March

Year: 2025

**CSIR - Central Mechanical Engineering Research Institute,
Durgapur - 713209
(W.B.), INDIA**

Report prepared by

Subrata Kr Mandal

Report verified by

Subrata Kr Mandal

Farm Machinery Training and Testing Centre,
CSIR-Central Mechanical Engineering Research Institute, Durgapur
THIS REPORT IS VALID UPTO: 29th February, 2032

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4 SPECIFICATIONS

4.1 General

Name of machine	: ASPEE Reaper
Type of machine	: Self-Propelled, walk behind
Make	: ASPEE
Model	: ASP/4RG
Serial No.	: 003
Name and address of manufacturer	: M/s. Aspee Agro Equipment Pvt. Ltd. Survey/ Block No. 84, Village/ Post: Balwada, Tal. Chikli, Dist. – Navasari, Pin – 396521, Gujarat
Year of manufacture	: 2024
Country of origin	: India
Recommended crop	: Rice, Wheat.

4.2 Details of prime mover

Name and address of manufacturer*	: M/s. Aspee Agro Equipment Pvt. Ltd. Bilimore – 396325, Gujarat
Type	: 4 Stroke, OHV, Single Cylinder, Air cooled.
Make	: ASPEE
Model	: 170F/P-2
Sr. No.	: 2207102353
Country of origin	: India
Year of manufacture	: 2024
Engine speed (Manufacturer's recommended setting), (rpm)*	
High idle speed	: 1800
Low idle speed	: 1400
Rated speed, (rpm)*	: 3450
No load engine speed for field operation, (rpm)*	: 1000
Speed at maximum torque, rpm*	: 2500
Max Torque (Nm)*	: 12.4
Rated Power (kW)*	: 4.2
Max Power (kW)*	: 4.54

*As per specification sheet provided by applicant

Report prepared by

[Signature]

Report verified by

Subrata kr Mandal

16 COMMENTS & RECOMMENDATION

- 16.1** The dimensions of the knife section and the knife back section do not conform to IS standards. It should be looked into
- 16.2** The amplitude of mechanical vibration marked as (*) under section 7, are on higher side. It is not just directly concerned with operator's health, safety and comfort, but also adversely affects the useful life of the components. It needs to be corrected.
- 16.3** The noise level of this machine at the operator's ear level is higher than recommended. It should be looked into.
- 16.4** The user's manual, parts catalogue and service manual are not provided. It needs to be provided as per IS: 8132-1999.
- 16.5** Chemical analysis and Hardness of the knife blades does not confirm with the requirement as per IS standard. It should be looked into.
- 16.6** One labelling plate is riveted on the machine. It should be updated as per BIS standard.

Report prepared by

Report verified by
Subrata Kr Mandal

CSIR/CMERI/FMTTC/2025/013	ASPEE AGRO EQUIPMENT PVT. LTD. ASPEE REAPER (MODEL NO. – ASP/4RG) (INITIAL COMMERCIAL TEST)
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17 TECHNICAL LITERATURE

The following literatures are not provided by the applicant during the test along with the application form.

- User's manual book
- Parts' catalogue
- Service manual

These manuals need to be provided as per IS: 8132-1999.

TESTING AUTHORITY

Report Prepared by	Sr. Technical Officer, CSIR-CMERI Farm Machinery Testing Centre	 11/03/2025
Report Approved by	In-Charge, CSIR-CMERI Farm Machinery Training & Testing Centre	 11/03/2025
Report Approved for release by	Head, Business Development Unit, CSIR-CMERI, Durgapur	 11/03/2025

18 APPLICANT'S COMMENTS

Para No.	Our Reference	Applicant's Comments
18	16.1	We noted the same, we will take required corrective action.
	16.2	We appreciably noted the same, we will take appropriate necessary actions to improve the same.
	16.3	We also noted this, we will take necessary corrective action.
	16.4	We will provide the updated user's manual as per mentioned IS standards.
	16.5	we will take necessary corrective action.
	16.6	Yes, we will do the needful as per requirements. Labelling Standard not mentioned in the report.

