

INITIAL COMMERCIAL TEST REPORT माह/Month: FEBRUARY, 2025

THIS TEST REPORT VALID UP TO

: 31st JANUARY 2032



**DHARTI INDUSTRIES
BRUSH CUTTER
(MODEL NO.- PLT-BC35B)**



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/2025/012	DHARTI INDUSTRIES BRUSH CUTTER (MODEL NO.- PLT-BC35B) (INITIAL COMMERCIAL TEST)
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Name of Machine	:	Brush Cutter
Type	:	Back Pack / Engine Operated
Make	:	Platinum
Model	:	PLT-BC35B
Name and address of Manufacturer	:	Zhejiang Gardentec Co. Ltd. No.3 Floor, Factory No.2, Qiuyuan Street west, Qiubing Industry Zone, Wucheng Zone, Jinhua City, Zhejiang Province, China
Name and address of Applicant	:	M/s Dharti Industries Plot No.2, Opp. Top Crane, Khokhaddad- Kotda Sangani Road, Piplana, Rajkot, Gujarat - 360030
Test Conducted at	:	Farm Machinery Training & Testing Center, CSIR – Central Mechanical Engineering Research Institute, M G Avenue, Durgapur, Pin – 713209, West Bengal

THIS TEST REPORT IS VALID UP TO: 31st January 2032
[vide DAC&FW OM No. 13-22/2020- M&T (I&P) dated 12.12.2023]



Report No. : CSIR/CMERI/FMTTC/2025/012 Month : February Year : 2025

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

Report prepared by

Report verified by

**Farm Machinery Training and Testing Centre,
CSIR-Central Mechanical Engineering Research Institute, Durgapur
THIS REPORT IS VALID UPTO: 31st January, 2032**

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5 SPECIFICATIONS

5.1 General

Name of the Machine	: Brush Cutter
Type of machine	: Back Pack/Engine Operated
Make	: Platinum
Model	: PLT-BC35B
Serial No.	: BC35B-0002
Name and address of Manufacturer	: Zhejiang Gardentec Co. Ltd. No.3 Floor, Factory No.2, Qiuyuan Street west, Qiubing Industry Zone, Wucheng Zone, Jinhua City, Zhejiang Province, China
Name and address of Applicant	: M/s Dharti Industries Plot No. 2, Opp. Top Crane, Khokhaddad-Kotda Sangani Road, Piplana, Rajkot, Gujarat-360030
Year of manufacture	: 2024
Country of origin	: China
Recommended use	: All kind of Weed / Brushes / Paddy Harvesting

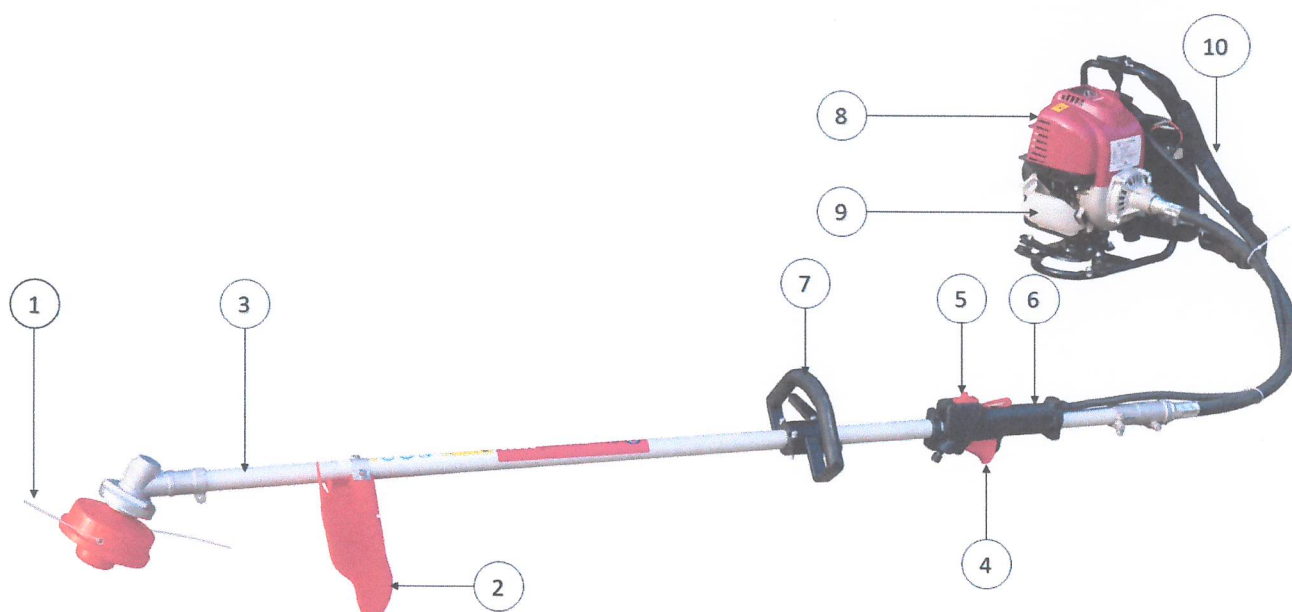


FIG. 1: SCHEMATIC VIEW OF BRUSH CUTTER

- | | | |
|------------------------------|---------------------------------|----------------------|
| 1. Nylon rope | 2. Grass deflector | 3. Frame pipe |
| 4. Throttle cum clutch lever | 5. Emergency engine stop switch | 6. Right hand Holder |
| 7. Left Hand holder | 8. Engine | 9. Fuel tank |
| 10. Shoulder belt | | |

Report prepared by

[Signature]

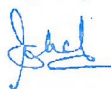
Report verified by

Subrata kr Mandal

15 COMMENTS & RECOMMENDATION

- 15.1** The noise level at the OEL lever is higher which needs to be reduced to improve the operator's comfort and safety.
- 15.2** The mechanical vibration is on the higher side. It is not just directly affecting the operator's health, safety, and comfort, but also adversely affect the useful life of the components. Corrective action needs to be taken to reduce the vibration level.
- 15.3** The chemical composition of the cutting blade does not meet the requirement as per IS: 6025 -1982. It should be looked into.

Report prepared by



Report verified by

Subrata Kr Mandal

CSIR/CMERI/FMTTC/2025/012	DHARTI INDUSTRIES BRUSH CUTTER (MODEL NO.- PLT-BC35B) (INITIAL COMMERCIAL TEST)
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16 TECHNICAL LITERATURE

The following literatures are 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 updated as per IS: 8132-1999.

TESTING AUTHORITY

Report Prepared by	Sr. Technical Officer, CSIR-CMERI Farm Machinery Testing Centre	<i>[Signature]</i> 26/02/2025
Report Verified & Approved by	In-Charge, CSIR-CMERI Farm Machinery Testing Centre	<i>[Signature]</i> 26/2/2025
Report Approved for release by	Head, Business Development Unit, CSIR-CMERI, Durgapur	<i>[Signature]</i> 26/02/2025

17 APPLICANT'S COMMENTS

Para No.	Our Reference	Applicants Comments
17	15.1 to 15.3	The draft report is okay. Please proceed further.



Farm Machinery Training and Testing Centre, CSIR-Central Mechanical Engineering Research Institute, Durgapur THIS REPORT IS VALID UPTO: 31st January, 2032	16 of 19
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