



भारत सरकार/**Government of India**

कृषि एवं किसान कल्याण मंत्रालय/Ministry of Agriculture & Farmers Welfare

कृषि, सहकारिता एवं किसान कल्याण विभाग

Department of Agriculture, Cooperation & Farmers Welfare

उत्तर पूर्वी क्षेत्र कृषि यंत्र प्रशिक्षण एवं परीक्षण संस्थान,

FARM MACHINERY TRAINING & TESTING INSTITUTE (NER)

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SPECIFICATION OF BRUSH CUTTER

1.1 General specification of machine

Make :

Model :

Manufacturer :

Name of Applicant :

Name of the Machine :

Indian trade name :

Year of manufacture :

Country of origin :

Type of crops /bush recommended by :

1.2 Prime mover/ Engine (as per applicant)

1.2.1 Manufacturer :

1.2.2 Make :

1.2.3 Model :

1.2.4 Type :

1.2.5 Year of manufacture :

1.2.6 Sl. No. :

1.2.7 Country of origin :

- 1.2.8 Recommended high idle speed, (rpm) :
- 1.2.9 Recommended low idle speed, (rpm) :
- 1.2.10 Recommended rated speed, (rpm) :
- 1.2.11 Speed at maximum torque, (rpm) :
- 1.2.12 Maximum power :kW @.....rpm
- 1.2.13 Torque corresponding to
Maximum power, (Nm) :
- 1.2.14 Specific fuel consumption
corresponding to Maximum Power,
(g/kWh) :
- 1.2.15 Rated power :kW @.....rpm
- 1.2.16 Torque corresponding to rated power,
(Nm) :
- 1.2.17 Specific fuel consumption at rated
power,
(g/kWh) :
- 1.2.18 Maximum torque :Nm@.....rpm
- 1.2.19 Lubricating oil consumptions,(g/kwh) :
- 1.2.20 Maximum permissible engine oil
temperature, (° C) :

1.2.21

Sl.No.	Parts/component	Initial value (When in new condition),(mm)	Discard limit (mm)
i)	Cylinder bore diameter		
ii)	Clearance between cylinder liner and piston (at top)		
iii)	Piston ring end gap		
	- Top ring		
	- 2 nd ring		
	- Oil ring		
iv)	Piston ring groove clearance		
	- Top ring		
	- 2 nd ring		
	- Oil ring		
v)	Clearance of big end bearing		
	- Diametrical		
	- Axial		
vi)	Clearance of main bearing		
	- Diametrical		
	- Crane shaft end float		

1.3 Cylinder and Cylinder head

Number :

Disposition :

Bore/stroke, (mm) :

Capacity (cc) :

Valve clearance, (mm)

Inlet :

Exhaust :

Make of Carburetor :

Type of Carburetor :

Brief description of carburetor :

Make of Spark plug :

Type of Spark plug :

Brief description of Spark plug :

Electrode gap of Spark plug :

1.4 Fuel supply system

Type of fuel system :

Material of Fuel tank :

Capacity of fuel tank (l) :

Location of fuel tank :

Provision for draining of sediments/
water :

Fuel filters :

Fuel ON/OFF :

1.5	Air cleaner	
	Make	:
	Type	:
	Type of element	:
	Location	:
	Recommended service Schedule	:
1.6	Exhaust	
	Type of silencer	:
	Position of silencer	:
	Spark arresting device, if any	:
1.7	Lubrication system	
	Type	:
	Oil capacity (l)	:
	Oil change period (h)	:
1.8	Cooling system	
	Type	:
1.9	Starting system	
	Type	:
	Ignition system	:
	Aid for cold starting	:
	Any other provision for easy starting	:
1.10	Cutter assembly	
	Type	:
	No of teeth	:
	Overall Diameter of disc (mm)	:
	Root diameter of disc (mm)	:
	Thickness,(mm)	:

1.11 Rope

Length of rope(mm) :
Dia of rope (mm) :

1.12 Details of control

i) On/off switch provided on RHS :
ii) Handle grip provided on both side :
iii) Accelerator Throttle lever is provided on RHS :
iv) Throttle accelerator safety gauged is provided :

1.13 Overall dimensions (mm)

Length :
Width :
Height :
Mass (kg) :

1.18 Color of machine

Chassis :
Engine :
Main drive cover :
Transmission system Cover :
Fuel tank :

Place:

Dated:

Signature:.....

Name:.....

Designation:.....

Address:.....