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भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय,

Ministry of Agriculture and Farmers Welfare

(कृषि, सहकारिता एवं किसान कल्याण विभाग)

(Department of Agriculture, Cooperation 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 9001:2008 COMPLIANT INSTITUTION]

SPECIFICATION SHEET OF POWER OPERATED CHAFF CUTTER

1. GENERAL:

Name OF Machine: :

Name and address of Manufacture :

Name and address of applicant :

Selling price in India

:

2. Technical Specification

Make :

Model :

Type :

Size :

Serial No. :

Year of Manufacture :

Size of Blade :

Suitability :

3. Constructions Details

Stand :

Type :

Size of angle iron(m.m.) :

Size of supporting angle iron (mm) :

Size of Platform (mm) :

No. and size of holes for

Name of the Manufacturer/Applicant	Document No, if any Revision status	Name of the Test Agency: SRFMTTI, Garladinne
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Name :	Model :	Name :
Designation :	Sheet No. _____ of _____	Designation :
Date :		Date :

- Fitting the chaff cutter :
4. Chaff Cutter Assembly
- 4.1 Power unit :
- Type and rating :
- Mass (Kg.) :
- Method of mounting :
- Size of angle iron flat (mm) :
- Size of platform (mm) :
- :
- 4.2 Main Power Transmission
- Material and size of motor pulley :
- Size of fly-wheel pulley (mm) :
- Type and size of belt :
- Speed reduction from motor pulley
To fly-wheel pulley :
- Arrangement for belt Tensioned :
5. Cutter Head
- 5.1 Fly Wheel
- Constructions details :
- Diameter of fly wheel (mm) :
- Thickness of fly wheel (mm) :
- Size of 'S' shape casting for blade
Mounting (mm) :
- Size of central bush (mm) :
- No. size of holes on the 's' shaped
Casting for blade mounting :
- Mass of fly wheel (kg) :
- 5.2 Chaffer Blades
- Type :
1. Rotating Blades :
- Number of blades :
- Material of blades :
- Dimension of blade :
- Method of mounting fixed blades :
2. Fixed blades
- Number of blades :
- Method of mounting :
- Recommended clearance between
fixed and rotating blades (mm) :
- Method of clearance adjustment :

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6. Feeding assembly

Main shaft Material :
 Length of shaft (mm) :
 Diameter of Shaft (mm) :
 Number and type of bearings :
 Method of shaft mounting :
 Method of lubrication :

7. Gear Box

Constructional details :
 Type :
 Material :
 Number of Worms :
 Number of Gear
 1. Details of Worm :
 Type :
 Length (mm) :
 Thickness and depth of teeth (mm)
 Number and size of holes for :
 Locking the worm on main shaft:
 2. Details of gear :
 Type :
 Number of teeth on each gear (mm):
 Number and size of holes provided :
 For locking on shaft :
 Method of power transmission :
 Method of lubrication :
 Recommended lubricant :

8. Feed Rollers

Number of rollers
 Type
 Material

8.1 Lower Roller

Width and fdiameter of roller (mm) :
 Effective width of roller(m) :
 No of teeth on each roller and their
 Configurations :
 Type of teeth and pitch :
 Size of teeth (mm) :
 No. and Type of shaft bearing :
 Size of bush (mm) :
 Provision for lubrication :

8.2 Upper Roller

Width and fdiameter of roller (mm) :
 Effective width of roller(m) :
 No of teeth on each roller and their

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- Configurations :
- Type of teeth and pitch :
- Size of teeth (mm) :
- No. and Type of shaft bearing :
- Size of bush (mm) :
- Provision for lubrication :
- Space between the axis of upper
Minimum :
- Maximum :
- Method of space adjustment :
- Speed of feeding rollers correspo-
Nding to 1440 RPM of the prime
mover (RPM) :
- 1. Upper Roller :
- 2. Lower Roller :
- 9. Feeding mechanism
- Type of Feeding :
- Material :
- Height of feeding tray (mm) :
- Length of feeding tray (mm) :
- Angle of installation of tray :
- Method of mounting :
- Safety Arrangements :
- 10. Length :
- Width :
- Height :
- 11. Mass of Machine (Kg)
- With prime mover :
- Without prime mover :
- 12. Color of Machine :

Place:

Date:

Signature : _____

Name : _____

Designation: _____

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