

Website: <http://srfmtti.dacnet.nic.in/>
 E-mail: fmti-sr@nic.in
 Tele./FAX: 08551-286441



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 OF MOBILE SHREDDER

[To be submitted in Triplicate duly typed]

1.1 General :

Manufacturer :

Applicant :

Name of machine :

Type :

Make :

Model :

Serial number :

Year of manufacture :

Type of blade :

Recommended PTO power of tractor, (hp) :

1.2 Constructional Details :

1.2.1 Main Frame :

Material :

Dimensions of frame, (mm) :

Mainframe hitch pin size, (mm) :

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

1.2.2 Primary Gear box:

Type :
 Mode of transmission :
 No. of teeth on bevel pinion :
 No. of teeth on crown gear :
 Gear ratio :
 Type of lubricant recommended :
 Lubricating oil capacity, (l) :
 Length & max dia. of PIC of
 implement, (mm) :
 No. & type of bearings on PIC :
 of implement
 No. of oil seals provided on PIC :
 of implement
 Oil level plug :

1.2.3 Power Take Off Drive Shaft :

Type :
 Length of the shaft, (mm)
 - Closed :
 - Extended :
 Mass of shaft, (kg) :
 Locking device :

1.2.4 Secondary Gear box:

Type :
 Mode of transmission :
**Secondary Gear Box input
 Bevel Gears:**
 No. of teeth on bevel pinion :
 No. of teeth on crown gear :
 Reduction ratio :
Feeding drum Spur Gears:
 No. of teeth on drive gear :
 No. of teeth on driven gear :
 Reduction ratio :

1.2.5 Secondary Propeller Shaft :

Type :
 Length of the shaft, (mm)
 - Closed :
 - Extended :
 Mass of shaft, (kg) :
 Locking device :

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

- 1.2.6 Feeding System:**
- 1.2.6.1 Crop guide size (Used in mobile operation), (mm) :**
 Size of crop guide, (mm) :
 No. of crop guide :
 Diameter of feeding drum, (mm) :
- 1.2.6.2 Feeding chute size (Used in stationary condition), (mm) :**
 Length of feeding chute, (mm) :
 Width of feeding chute (Big end), (mm) :
 Width of feeding chute (Small end), (mm) :
 Thickness of plate, (mm) :
 Shape of feeding drum :
 Diameter of feeding drum, (mm) :
- 1.2.6.3 Conveyor system :**
 Type :
 No. of blade :
 Type of blade :
 Material :
 No. of slats :
 No. of teeth on blade :
 Type of drive :
 No. of teeth in drive gear :
 No. of teeth in driven gear :
 Reduction ratio :
- 1.2.6.4 Mobile cutting unit:**
 Type :
 Dia of disc, (mm) :
 Thickness of disc, (mm) :
 No. of teeth on cutting disc :
 Speed of disc corresponding to 540 rpm of PTO, (rpm) :
 Method of fixing :
- 1.2.7 Trash cutting unit**
- Flywheel :**
 Type :
 Root dia., (mm) :
 Overall dia., (mm) :
 Thickness, (mm) :

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

- Speed corresponding to 540 rpm of PTO, (rpm) :
- Peripheral speed, (m/s) :
- No. of palate :
- Size and spacing of palate :
- No. of blades :
- Size of blade, (mm) :
- Top width :
- Length :
- Thickness :
- Method of fixing :
- 1.2.8 Flywheel drive bevel gears:**
- No. of teeth on bevel pinion :
- No. of teeth on crown gear :
- Reduction ratio :
- Type of lubricant recommended :
- Lubricating oil capacity, (l) :
- Length & max dia. of PIC of secondary gear input, (mm) :
- No. of bearings on PIC of secondary gear input :
- No. of oil seals provided on PIC of secondary gear input :
- Oil level plug :
- Breather plug :
- 1.2.9 Concave :**
- Type :
- No. of adjusting plate, (mm) :
- Size of plate, (mm) :
- Length :
- Width :
- Height :
- No. & spacing of flat pieces in between distance, (mm) :
- Clearance between concave plate to flywheel palate :
- Method of fixing :
- 1.2.10 Exhaust Chute (Long):**
- Type :
- Size, (mm) :
- Height from ground level, (mm) :
- Tilting option if any :

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Signature :	Make :	Signature :
Name :	Model :	Name :
Designation :	Sheet No. _____ of _____	Designation :
Date :		Date :

- 1.2.11 Exhaust Chute (Short):**
 - Type :
 - Size, (mm) :
 - Height from ground level, (mm) :
 - Tilting option if any :
- 1.2.12 Depth/Gauge wheel :**
 - No. of wheel :
 - Type :
 - Size, (mm) :
- 1.2.13 Grinding Wheel :**
 - Dia of wheel (mm) :
 - Thickness of wheel (mm) :
 - Adjustment of wheel :
- 1.3 Stand provided if any :**
- 1.4 Overall Dimensions, (mm) :**
 - Length :
 - Width :
 - Height :
- 1.5 Operational mass (kg) :**
- 1.6 Colour :**
- 1.7 Any other specification :**

Place:

Date:

Signature_____

Name of the signatory_____

Designation_____

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Signature :	Make :	Signature :
Name :	Model :	Name :
Designation :	Sheet No. _____ of _____	Designation :
Date :		Date :