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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 OF REAPER (TRACTOR FRONT MOUNTED)**

**[To be submitted in Triplicate duly typed]**

### 1.1 General: -

Manufacturer :

Applicant :

Name of machine :

Make :

Model :

Type :

Serial number :

Year of manufacture :

Size of Reaper (mm) :

Name of crop, the machine is tested  
with :

Recommended power of tractor, (hp) :

### 1.2 Method of mounting the reaper on tractor :

Type of lifting arrangement :

Size of M.S. flat, (mm) :

Length of each bar, (mm) :

Length of supporting flat, (mm) :

Size of supporting flat, (mm) :

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- Width of four bar mechanism, (mm) :
- Size of linkage flat, (mm) :
- 1.3 Cutter bar assembly** :
- Working width, (mm) :
- Effective cutter bar width, (mm) :
- Knife stroke, (mm) :
- No. and spacing of knife guards :
- No. of strokes per minute :
- Corresponding to 540 rpm of PTO :
- No & type of knife blade :
- Type of ledger plates :
- Arrangement and range of adjusting cutting height, (mm) :
- Minimum :
- Maximum :
- Type of crop dividers :
- Arrangement for lifting lodged crop :
- Details of knife drive :
- Knife safety arrangement :
- Type of crop conveyance :
- No. of star wheels :
- No. of canvas belts :
- Size of canvas belt, (mm) :
- No. of lugs and spacing between lugs on canvas belt :
- Method of tensioning conveyor belt :
- Arrangement for locking cutter bar platform in transport position :
- Arrangement for lifting of cutter bar platform :
- 1.4 Type of drive to various units :**
- Type of drive to power transmission pulley :
- Dia of tractor PTO pulley, (mm) :
- Dia of driven pulley, (mm) :
- Size of V-belt :
- Type of drive to gear box of reaper :
- Dia of shaft, (mm) / pipe :

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- Length of shaft, (mm) :
- No. & Type of support bearings :
- Type of gear :
- Reduction ratio :
- Type of drive to cutter bar :
- Type of drive to conveyor belt drive pulley shaft :
- Drive sprocket :
- Driven sprocket :
- Reduction ratio, (%) :
- Details of chain & sprocket
- Type of chain :
- Size of chain, (mm) :
- Length of chain, (mm) :
- No. of teeth on drive sprocket :
- No. of teeth on driven sprocket :
- Reduction ratio, (%) :
- Type of drive to conveyor belt :
- Method of up/down movement of cutter bar :

- 1.5 Overall dimensions** :
- length, (mm) :
- Width, (mm) :
- height, (mm) :
- Minimum ground clearance, (mm) :
- Total mass of reaper, (kg) :

**1.6 Colour** :

Place:

Date:

Signature\_\_\_\_\_

Name of the signatory\_\_\_\_\_

Designation\_\_\_\_\_

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