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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 SELF PROPELLED PLATFORM FOR TREE MAINTENANCE

[To be submitted in Triplicate duly typed]

1.1 Tree Maintenance:

Manufacturer's Address :

Applicant :

Make :

Model :

Indian trade name :

Type :

Year of manufacture :

Serial Number :

Country of origin :

1.2 Engine:

Manufacturer's Address :

Make :

Model :

Type :

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Serial number :
 Country of origin :
Engine speed Manufacturer's recommended setting), (rpm):
 - Maximum speed at no load :
 - Low idle speed :
 - Rated speed :
 - Speed at max. torque :

1.3 Cylinder & Cylinder Head:

Number :
 Disposition :
 Bore/stroke, (mm) :
 Capacity as specified by the applicant,(cc) :
 Compression ratio :
 Type of cylinder liners :
 Arrangement of valves :
Valve clearance (cold):
 - Inlet valve, (mm) :
 - Exhaust valve, (mm) :

1.4 Fuel System:

Type of fuel feed system :
Fuel tank:
 Capacity, (l) :
 Location :
 Provision for draining of sediments/ water :
Fuel filters:
 Make :
 Model :
 Type of element :
 Number(s) :
 Capacity of filter, (l) :
Injection pump:
 Make :
 Model :
 Type :
 Method of drive :
Fuel injector:
 Make :
 Model :
 Type :
 Manufacturer's production pressure :

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- setting, (Bar) :
- Injection timing :
- 1.5 Governor:**
- Make :
- Model :
- Type :
- Governed range of Engine speed, (rpm) :
- Rated engine speed, (rpm) :
- 1.6 Pre-cleaner** :
- 1.7 Air cleaner:** :
- Make :
- Type :
- Location :
- Replacement :
- 1.8 Exhaust:**
- Type of silencer :
- Location :
- Provision of spark arresting device :
- 1.9 Lubricating system:**
- Type :
- Oil sump capacity, (l) :
- Oil change period :
- Cooling device, (if any) :
- Filters:**
- Make :
- Type :
- Number :
- Pump:**
- Type :
- Method of drive :
- Pressure release setting, kgf/cm² :
- 1.10 Cooling system:**
- Type :
- Details of fan :
- Bare radiator capacity, (l) :
- Capacity of cooling system(l) :
- Means of temperature control :
- Radiator cap pressure, (kPa) :
- 1.11 Starting System:**
- Make :
- Type :
- Aid for cold starting :

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- Any other device provided for easy starting :
- 1.12 Electrical System:**
- Alternator:**
- Make :
- Model :
- Output rating :
- Location :
- Details of lights:**
- Number :
- Make :
- Capacity of each bulb :
- Location :
- Light switch details :
- Horn :**
- Battery :**
- Make :
- Model :
- Serial Number :
- Capacity :
- 1.13 Chassis :**
- Length, (mm) :
- Width, (mm) :
- Material :
- 1.14 Controls:**
-
- 1.15 Engine Bonnet :**
- Length, (mm) :
- Width, (mm) :
- Thickness, (mm) :
- Material :
- 1.16 Transmission System :**
- 1.16.1 Main Frame/chassis:**
- Constructional details :**

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- 1.17 Hydraulic system :**
Mode of power transmission :
- 1.17.1 Hydraulic Pump :**
Type :
Make :
Number :
Location :
No. of filter :
Discharge at 153 kg/cm² pressure, (l/min) :
Method of drive :
Operating hydraulic pressure, kgf/cm² :
Pressure release setting, kgf/cm² :
Grade of Oil used :
Oil capacity, (l) :
Oil changing period :
Max. hydraulic oil temperature, (°C) :
- 1.17.2** No. of distributor :
1.17.3 No. of ram cylinder :
1.17.4 Type of ram cylinder :
1.17.5 Length of stroke, (mm) :
1.17.6 Diameter of connecting rod, (mm) :
- 1.18 Operator Platform size :**
Length, (mm) :
Width, (mm) :
Height, (mm) :
Material :
- 1.19 Lifting Assembly :**
Length of beam, (mm) :
Maximum height of lifting bucket, (mm) :
Minimum height of bucket :
Maximum lifting height of bucket base, (mm) :
Minimum height of bucket base from ground level, (mm) :
- 1.20 Hitch :**
- 1.21 Steering :**
Type :
Make :
Method of operation :

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- 1.22 Brake:**
 Make :
 Type :
 Material of liners :
 Method of operation :
- 1.23 Drive wheel(s):**
 Make :
 Number :
 Type of tyre :
 Size :
Recommended inflation pressure, Bar:
 - for field work (Manual) :
 - for transport :
 Track width, (mm) :
 Method of changing track width :
- 1.24 Tail wheel:**
- 1.24.1 Pneumatic:**
 Make :
 Number :
 Type :
 Size,(mm) :
 Wheel base with tail wheel in position, (mm) :
- 1.25 Cutter Gun Assembly :**
 Chain length, (mm) :
 No. of links :
 No. of blade on chain :
 Link pitch, (mm) :
 No. of teeth :
 Overall Dimension, (mm):
 Length :
 Width :
 Trigger length :
 Cutting length :
 Blade to blade distance :
- 1.26 Overall Dimensions,(mm):**
 Length :
 Width :
 Height :
- 1.27 Mass:**
 Mass of machine with fuel and lubricant full and standard accessories fitted,(kg) :

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1.28 Number of external lubricating points:

- Oiling :
- Grease cup :

1.29 Colour of Machine:

- Chassis and Engine :
- Fuel tank and radiator cover :
- Bucket and basket :
- Head light cover :
- Engine Bonnet :
- Lifting beam :

Place:

Signature_____

Date:

Name of the signatory_____

Designation_____

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