

Testing Agencies Document No. : CFMT&TI/BTS/TRACTORS  
 Revision Status : Revised, April, 2003

**GOVERNMENT OF INDIA  
 CENTRAL FARM MACHINERY TRAINING & TESTING INSTITUTE  
 MIN. OF AGRI., (DEPT. OF AGRI. AND CO-OPN.)  
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 BRIEF TECHNICAL SPECIFICATIONS FOR AGRICULTURAL /  
 OTHER TRACTORS**

(To be submitted by the Applicant/ Manufacturer to testing Agency in quadruplicate,)

**1.0 GENERAL DESCRIPTION ABOUT MANUFACTURER/APPLICANT:**

**1.1 Name of tractor Manufacturer:**

Address of Manufacturer :  
 Telephone Number (s) :  
 Fax Number (s) :  
 E mail Address :  
 Website :

**1.2 Name of Applicant, if other than manufacturer:**

Address of applicant :  
 Telephone Number (s) :  
 Fax Number (s) :  
 E mail Address :  
 Website :

**2.0 BRIEF TECHNICAL SPECIFICATION OF TRACTOR:**

**2.1 Agricultural Tractor / Other Tractor:**

Make :  
 Model :  
 Type :  
 Variant(s) if any (please give brief :  
 description of variants separately. :  
 Chassis No. :  
 Serial Number :  
 Year of manufacture(attach coding :  
 system letter also) :  
 Max. PTO power, kW @ rpm :  
 (declared value) :  
 Rated PTO power, kW @ rpm :  
 (declared value) :

| Manufacturer/Applicant                           | Document No, if any<br>Revision status       | Testing Agency   |
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Whether tested in India earlier , If : **Yes / No**  
 yes, specify Name of Test Agency  
 & its test report No. with month  
 and year of issue

**3.0 Prime Mover for the Tractor:**

Make :  
 Model :  
 Type :  
 Serial Number :  
 Bore / stroke, mm (apa) :  
 Capacity, (cc)  
 No. of cylinders :  
 Max engine out put, kW @ rpm :  
 (declared value)  
 Rated engine out put, kW @ rpm :  
 (declared value)  
 Arrangement of valves :

**3.1 Air Cleaner:**

Nos. :  
 Location :  
 Type :

**3.2 Cooling System:**

Type :  
 Radiator cap pressure marking, :  
 kPa (kgf/cm<sup>2</sup>)

**3.3 Fuel System:**

Type :

**3.3.1 Fuel filter(s):**

Make :  
 Type :  
 Number(s) :  
 Additional filter(s), if any:

**3.3.2 Fuel feed pump:**

Make  
 Type  
 Model / Group Combination No.

**3.3.3 Fuel Injection Pump:**

- Make :

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- Model / Group Combination No. :
- Type :
- Serial number :

**3.3.4 Governor:**

- Make
- Model/group combination No.
- Type

**3.3.5 Fuel tank:**

- Material :
- Location :
- Capacity (l) :

**3.4 Lubrication System:**

- Type :
- No. & type of oil filter (s) :

**3.5 Clutch:**

- Type :
- No. of plate (s) :
- Main :
- PTO :

**3.6 Gear box:**

- Make :
- Model & identification no., if any :
- Type :
- No. of arrangements :

**3.6.1 No. of gears:**

- Forward :
- Reverse :

**3.6.2 Range of speeds, (kmph):**

- Forward :
- Reverse :

**3.7 Steering:**

- Make :
- Type :
- Steering wheel dia., (mm) :
- Location of steering wheel :
- Steered axle :
- Minimum turning diameter,( m) :

| Manufacturer/Applicant                           | Document No, if any<br>Revision status   | Testing Agency   |
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**3.8 Wheel equipment & tyres:**

**3.8.1 Front:** :  
 Tyre size & ply rating :  
 Track width range ,(mm) :  
 Recommended tyre pressure for :  
 road work, kPa (kgf/cm<sup>2</sup>) :  
 Optional tyre size & ply rating :

**3.8.2 Rear:**  
 Tyre size & ply rating  
 Track width range ,mm  
 Recommended tyre pressure for  
 road work, kPa (kgf/cm<sup>2</sup>)  
 Optional tyre size & ply rating

**3.9 Brakes:**

**3.9.1 Service brake:**  
 Type :  
 (Mechanical/Hydraulic/Any other)  
 Location :  
 Method of operation :

**3.9.2 Hand / Parking brake:**  
 Type and brief description :  
 Location :  
 Method of operation :

**3.10 Electrical system of tractor:**

System voltage,( V) :  
 Terminal earthed :

**3.10.1 Battery:** :  
 Type  
 - Number(s) :  
 - Capacity and rating : ----- Ah at 20 hours discharge  
 rate

**3.10.2 Generator (Alternator/Dynamo):**

Type :  
 Max. output,( W) :

**3.10.3 Starter:**

|  |  |  |
|--|--|--|
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Type  
 Max power input, (kW)

- 3.10.4 Head Lights:**
- Make :
  - Numbers :
  - Wattage of bulbs, (W) :
  - Location :
  - Colour :

- 3.10.5 Parking Light(s):**
- Front:**
- Make :
  - Number(s) :
  - Wattage of bulbs, (W) :
  - Location :
  - Colour :
- Rear:**
- Make :
  - Number(s) :
  - Wattage of bulbs, (W) :
  - Location :
  - Colour :

- 3.10.6 Turn indicator light(s):**
- Front:**
- Make :
  - Number(s) :
  - Wattage of bulbs, (W) :
  - Location :
  - Colour :
- Rear:**
- Make :
  - Number(s) :
  - Wattage of bulbs, (W) :
  - Location :
  - Colour :

- 3.10.7 Brake / stop light:**
- Make :
  - Number(s) :
  - Wattage of bulbs, (W) :
  - Location :

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- Colour :

**3.10.8 Plow / work light:**

- Make :
- Number(s) :
- Wattage of bulbs, (W) :
- Location :
- Colour :

**3.10.9 Reflector(s):**

**Front:**

- Shape :
- No.(s) :
- Location :
- Colour :

**Rear:**

- Shape :
- No.(s) :
- Location :
- Colour :

**3.11 Mass, (kg)**

| Front | Rear | Total |
|-------|------|-------|
|       |      |       |
|       |      |       |

**3.11.1** Unballasted :

**3.11.2** Max permissible Ballsted :

**3.12 Max speed, (kmph)**

.....at rated engine speed of .....rpm

**3.13 Max gradeability in degrees**

.....

**3.14 Seat (s):**

**3.14.1 Operator's seat:**

- Make :
- Type :
- Location :

**3.14.2 Additional seat (s), if any:**

- Number :
- Type :
- Location :

|  |  |  |
|--|--|--|
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**3.15 Mirror:**

- Type :
- Location :

**3.16 Overall Dimension in travel mode (mm):**

- Min. ground clearance :
- Overall length :
- Overall width :
- Overall height :

I, .....of  
M/s

.....  
hereby declare that information given above in page no. 1 to 7 is as per design / drawings of the prototype model of tractor submitted for inspection / test and is correct to the best of my knowledge and belief.

Applicant / Manufacturer :

Signature of Authorised Signatory:

Name :

Designation :

Place:

Date:

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