

AIS 007 – TABLE-16 Testing Agencies Document No. CFMTTI/BTS/TRACTORS, Revised November, 2019

**GOVERNMENT OF INDIA  
CENTRAL FARM MACHINERY TRAINING & TESTING INSTITUTE  
(MINISTRY OF AGRICULTURE AND FARMERS WELFARE)  
DEPARTMENT OF AGRICULTURE, CO-OPERATION AND FARMERS WELFARE  
(MECHANIZATION & TECHNOLOGY DIVISION)**

An ISO:9001-2015 Certified Institute  
TRACTOR NAGAR, P.O. BUDNI (M.P.) - 466445

Phone: 07564-234729, 234743

e-mail: [fmti-mp@nic.in](mailto:fmti-mp@nic.in)

Website: <http://www.fmttibudni.gov.in>

**BRIEF TECHNICAL SPECIFICATIONS FOR AGRICULTURAL TRACTORS  
(To be submitted by the Applicant/ Manufacturer to testing Agency in Triplicate copy)**

**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 : \_\_\_\_\_

Variants, if any (please give brief description of variants separately) : \_\_\_\_\_

Chassis No. : \_\_\_\_\_

Serial Number : \_\_\_\_\_

Month & Year of manufacture (attach coding system letter also) : \_\_\_\_\_

Max. PTO power, kW @ rpm (declared value) : \_\_\_\_\_

Rated PTO power, kW @ rpm (declared value) : \_\_\_\_\_

Whether tested in India earlier, If yes, specify Name of Test Agency & its test report No. With month and year of issue : \_\_\_\_\_

Manufacturer / Applicant	Document No, if any Revision status	Testing Agency CFMT&TI, Budni(M.P)
Signature : Name : Designation : Date :	Make & Model of tractor:	Signature : Name : Designation : Date :
<b>Page No. 1 of 7</b>		

- 3.0 Prime Mover for the Tractor:**
  - Make :
  - Model :
  - Type :
  
  - Serial Number :
  - Bore / stroke, mm (apa) :
  - Capacity,(cc) :
  - No. of cylinders :
  - Engine speed, (rpm):** :
  - Maximum speed at no load :
  - Low idle speed :
  - Speed at maximum torque :
  - Rated speed, (rpm):** :
  - For PTO use :
  - For drawbar use :
  - Engine to PTO ratio :
  - Max engine out put, kW @ rpm (declared value) :
  - Rated engine out put, kW @ rpm (declared value) :
  - Arrangement of valves :
  
- 3.1 Air Cleaner:**
  - Make :
  - Type :
  - Nos. :
  - Location :
  
- 3.2 Cooling System:**
  - Type :
  - Coolant as recommended :
  - Coolant and water ratio :
  - Radiator cap pressure marking, kPa (kgf/cm<sup>2</sup>) :
  
- 3.3 Fuel Supply System:**
  - Type :
  
- 3.3.1 Fuel tank:**
  - Make :
  - Material :
  - Location :
  - Capacity (l) :
  
- 3.3.2 Fuel Filter(s):**
  - Make :
  - Type :
  - Number (s) :
  - Additional filter(s), if any :
  
- 3.3.3 Fuel Feed Pump:**
  - Make :
  - Type :
  - Model/group combination No. :

Manufacturer / Applicant	Document No, if any Revision status	Testing Agency CFMT&TI, Budni(M.P)
Signature : Name : Designation : Date :	Make & Model of tractor:	Signature : Name : Designation : Date :
<b>Page No. 2 of 7</b>		

- 3.3.4 Fuel Injection Pump:**
  - Make :
  - Model/group combination No. :
  - Type :
  - Serial No :
  
- 3.3.5 Governor:**
  - Make :
  - Model/group combination No. :
  - Type :
  
- 3.3.6 Fuel Injector:**
  - Make :
  - Model / Group combination number:
  - Holder Number :
  - Nozzle number :
  - Type :
  
- 3.4 Lubrication System:**
  - Type :
  - No. & type of oil filter (s) :
  - Cooling device, if any :
  
- 4.0 Clutch:**
  - Type :
  - No. of plate (s) :
  - Size OD/ID, (mm):
    - Transmission :
    - PTO :
  
- 5.0 Gear Box:**
  - Make :
  - Model & Identification No.(if any) :
  - Type :
  - No. of Arrangement (s) [Low, Medium, High] :
  
- 5.1 No. of gears:**
  - Forward :
  - Reverse :
  
- 5.1.2 Range of nominal speeds at rated engine speed, (kmph):**
  - Forward :
  - Reverse :
  
- 6.0 Steering:**
  - Make :
  - Type :
  - Steering wheel dia., (mm) :
  - Location of steering wheel :
  - Steered axle :
  - Minimum turning circle diameter, (m) :

Manufacturer / Applicant	Document No, if any Revision status	Testing Agency CFMT&TI, Budni(M.P)
Signature :	Make & Model of tractor:	Signature :
Name :		Name :
Designation :		Designation :
Date :		Date :
<b>Page No. 3 of 7</b>		

- 7.0 Wheel equipment & tyres:**
- 7.1 Front:**
  - Make :
  - Tyre size & ply rating :
  - Track width (s),(mm) :
  - Method of changing track width :
  - Recommended inflation pressure, kPa (kgf/cm<sup>2</sup>) :
    - For road work :
    - For field work :
  - Optional tyre size & ply rating, if any :
  - Make & size of rim :
- 7.2 Rear:**
  - Make :
  - Tyre size & ply rating :
  - Track width (s), (mm) :
  - Method of changing track width :
  - Recommended inflation pressure, kPa (kgf/cm<sup>2</sup>) :
    - For road work :
    - For field work :
  - Optional tyre size & ply rating, if any :
  - Make & size of rim :
- 8.0 Brakes:**
- 8.1 Service brake:**
  - Type (describe briefly) :
  - Location :
  - Method of operation :
- 8.2 Hand / Parking brake:**
  - Type (describe briefly) :
  - Location :
  - Method of operation :
- 8.3 Trailer Brake System:**
- 8.3.1 Hydraulic Pump Details:**
  - Make :
  - Model :
  - Type :
  - Flow rate, (l/m) :
- 8.3.2 Trailer Brake Valve:**
  - Make :
  - Model :
  - Pressure available at end of trailer brake valve:
    - As specified :
    - As observed :
- 9.0 Electrical system of tractor:**
  - System voltage,( V) :
  - Terminal earthed :
- 9.1 Battery:**
  - Make :
  - Type :
  - Model :
  - Number(s) :
  - Capacity and rating :

Manufacturer / Applicant	Document No, if any Revision status	Testing Agency CFMT&TI, Budni(M.P)
Signature :	Make & Model of tractor:	Signature :
Name :		Name :
Designation :		Designation :
Date :		Date :
<b>Page No. 4 of 7</b>		

**9.2 Generator (Alternator/Dynamo):**  
 Make :  
 Type :  
 Model :  
 Max. output,( W) :

**9.3 Starter:**  
 Make :  
 Type :  
 Model :  
 Max power input, (kW) :

**9.4 Head Lights:**  
 Head lamp assembly make :  
 Bulb make :  
 Numbers :  
 Wattage of bulbs, (W) :  
 Location :  
 Colour :

**9.5 Parking Light(s):**  
**9.5.1 Front:**  
 Front combination lamp Assembly make :  
 Bulb make :  
 Numbers :  
 Wattage of bulbs, (W) :  
 Location :  
 Colour :

**9.5.2 Rear:**  
 Rear combination lamp Assembly make :  
 Bulb make :  
 Numbers :  
 Wattage of bulbs, (W) :  
 Location :  
 Colour :

**9.6 Turn Indicator Light(s):**  
**9.6.1 Front:**  
 Front combination lamp Assembly make :  
 Bulb make :  
 Numbers :  
 Wattage of bulbs, (W) :  
 Location :  
 Colour :

**9.6.2 Rear:**  
 Rear combination lamp Assembly make :  
 Bulb make :  
 Numbers :  
 Wattage of bulbs, (W) :  
 Location :  
 Colour :

Manufacturer / Applicant	Document No, if any Revision status	Testing Agency CFMT&TI, Budni(M.P)
Signature : Name : Designation : Date :	Make & Model of tractor:	Signature : Name : Designation : Date :
<b>Page No. 5 of 7</b>		

**9.7 Brake / Stop Light:**  
 Light assembly make :  
 Bulb make :  
 Numbers :  
 Wattage of bulbs, (W) :  
 Location :  
 Colour :

**9.8 Plow / work light:**  
 Light assembly make :  
 Bulb make :  
 Number(s) :  
 Wattage of bulbs, (W) :  
 Location :  
 Colour :

**9.9 Reflector(s):**  
**9.9.1 Front:**  
 Make :  
 Shape :  
 No.(s) :  
 Location :  
 Colour :

**9.9.2 Rear:**  
 Make :  
 Shape :  
 No.(s) :  
 Location :  
 Colour :

**10.0 Mass of tractor, (kg):**  
**10.1** Unballasted / standard ballasted :  
**10.2** Road ballast :  
**10.3** Max permissible Ballasted :

Front	Rear	Total

**11.0 Max forward travel speed at full throttle, (kmph) :**  
**12.0 Max gradeability in degrees :**

**13.0 Seat (s):**  
**13.1 Operator’s seat:**  
 Make :  
 Type :  
 Location :

**13.2 Additional seat (s), if any:**  
 Make :  
 Type :  
 Location :

**14.0 Mirror:**  
 Make :  
 Type :  
 Location :

**15.0 Wheel base, (mm) :**

Manufacturer / Applicant	Document No, if any Revision status	Testing Agency CFMT&TI, Budni(M.P)
Signature : Name : Designation : Date :	Make & Model of tractor:	Signature : Name : Designation : Date :
<b>Page No. 6 of 7</b>		

- 16.0 Overall Dimension in travel mode, (mm):**
  - Min. ground clearance :
  - Overall length :
  - Overall width :
  - Overall height (without ROPS) :
  - Overall height (with ROPS) :
- 17.0 Details of ROPS, if any :**
  - Make :
  - Type :
  - Test report no. :
  - Sr. No. :
- 18.0 Noise Measurement:**
  - Maximum ambient noise emitted by the tractor at bystanders position, dB(A) :
  - Maximum noise at operator's ear level, dB(A) at load / at no load :
- 19.0 Towing hitch:**
- 19.1 Front:**
  - Type :
  - Location :
  - Height above ground level,(mm) :
  - Width of clevis, (mm) :
  - Dia of pin hole, (mm) :
- 19.2 Rear:**
  - Type :
  - Location :
  - Height above ground level, (mm):
  - No. of positions :
  - Type of adjustment :
  - Dia of pin hole, (mm) :
  - Width of clevis, (mm) :

I, -----**Name and designation of person**----- R & D of **M/s** -----**Manufacturer name**----- hereby declare that information given above in page no. **01 to 07** is as per design / drawings of the prototype/commercial model of tractor submitted for inspection / test and is correct to the best of my knowledge and belief. I also understand that in case of any information furnished above is found to be “not correct” or “incomplete”, and then among other actions, the certificate is liable to be canceled. It is further declared that this machine has never ever been tested by the any test agency as referred in Rule 126 of CMVR 1989. It is further declared that no application has been submitted to any other test agencies as refereed in Rule 126 of CMVR 1989.

Applicant / Manufacturer : M/s -----Manufacturer name-----

Signature of Authorized Signatory :

Name :

Designation :

Place :

Date :

Manufacturer / Applicant	Document No, if any Revision status	Testing Agency CFMT&TI, Budni(M.P)
Signature :	Make & Model of tractor:	Signature :
Name :		Name :
Designation :		Designation :
Date :		Date :
<b>Page No. 7 of 7</b>		