1.0 General Information:

1.1 Address of Manufacturing Plant:

1.2 Telephone Number(s):

1.3 Fax Number(s):

1.4 E-mail Address:

1.5 Website:

1.6 Name and Designation of contact person:

1.7 Telephone Number / E-mail ID of contact person:

2.0 Detailed Technical Specifications of the tractor:

2.1 Make:

2.2 Model:

2.3 Brand name, if any:

2.4 Indian Trade name, if imported:

2.5 Type:

2.6 Variant(s), if any:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Variant Model</th>
<th>Brand name, if any</th>
<th>Variant Feature as per IS:12207-2019 (Table-2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2.7 Location of the identification Mark/code for:

- Engine identification Number
- Chassis identification Number
- Gearbox/Transmission housing identification Mark
- Hydraulic System identification Mark
- Year of Manufacturing
- Other major assemblies, if any

2.8 Country of origin:

<table>
<thead>
<tr>
<th>Name of Manufacturer/Applicant</th>
<th>Document No, if any and its Revision status</th>
<th>Name of Testing Agency: CFMT&amp;TI, BUDNI (M.P.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature:</td>
<td>Make and Model of Tractor:</td>
<td>Signature:</td>
</tr>
<tr>
<td>Name:</td>
<td>Date:</td>
<td>Name: C.V. CHIMOTE</td>
</tr>
<tr>
<td>Designation:</td>
<td></td>
<td>Designation: TEST ENGINEER</td>
</tr>
<tr>
<td>Date:</td>
<td></td>
<td>Date:</td>
</tr>
</tbody>
</table>
### 3.0 Specifications of Prime Mover:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type of suction</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Naturally aspirated / super charged / turbo charged (Please specify)</td>
<td></td>
</tr>
<tr>
<td>Serial Number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Year of manufacture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Country of origin</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 3.0.8 Name and address of engine manufacturer:

- Telephone Number(s)          : 
- Fax Number(s)                : 
- E-mail Address               : 
- Website                      : 

### 3.0.9 Engine speed (Manufacturers recommended production settings) (rpm)

<table>
<thead>
<tr>
<th>Speed</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max speed at no load i.e. high idling speed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Low idling speed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Speed at maximum torque</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Rated speed, (rpm):
- For PTO work                : 
- For drawbar work            : 

### 3.1 Cylinders and Cylinder Head:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of cylinders</td>
<td></td>
</tr>
<tr>
<td>Disposition</td>
<td></td>
</tr>
<tr>
<td>Nominal bore (mm)</td>
<td></td>
</tr>
<tr>
<td>Stroke (mm)</td>
<td></td>
</tr>
<tr>
<td>Capacity as specified by applicant (cc)</td>
<td></td>
</tr>
<tr>
<td>Compression ratio</td>
<td></td>
</tr>
</tbody>
</table>

### 3.1.14 Valve Clearance (mm):

<table>
<thead>
<tr>
<th>Valve</th>
<th>Cold</th>
<th>Hot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inlet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exhaust</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 3.2 Fuel Supply System:

#### 3.2.1 Primary Pump (Fuel transfer pump/ Feed pump):

- Make                         : 
- Model/Group combination No.  : 
- Type                         : 

#### 3.2.2 Fuel Injection Pump:

- Make                         : 

---

### Name of Manufacturer/ Applicant

<table>
<thead>
<tr>
<th>Name of Manufacturer/ Applicant</th>
<th>Document No, if any and its Revision status</th>
<th>Name of Testing Agency: CFMT&amp;TI, BUDNI (M.P.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature</td>
<td>Make and Model of Tractor:</td>
<td>Signature :</td>
</tr>
<tr>
<td>Name</td>
<td></td>
<td>Name : C.V. CHIMOTE</td>
</tr>
<tr>
<td>Designation</td>
<td></td>
<td>Designation: TEST ENGINEER</td>
</tr>
<tr>
<td>Date</td>
<td></td>
<td>Date :</td>
</tr>
</tbody>
</table>
- Model / Group Combination No.: 
- Type: 
- Serial number: 
- Injection timing (by spill cut off method): degrees before TDC
- Firing order: 
- Fuel delivery for----No. strokes at pump speed of ------- rpm, (mm³) (Test bench figures)

3.2.3 Governor:
- Make: 
- Model/group combination No.: 
- Type: 
- Rated engine speed (rpm)
Governed range of engine speed (rpm)

3.2.4 Injectors:
- Make: 
- Model/group combination No.: 
- Type: 
- No. of holes in each injector: 
- Dia of holes (mm): 
- Opening pressure (manufacture’s production setting), MPa (kgf/cm²):

3.3 Air Intake System:
3.3.1 Pre-cleaner:
Make: 
Type: 
Location:

3.3.2 Air Cleaner:
- Make: 
- Type: 
- Location: 
- Suction pressure at Maximum power, (kPa)/ (mm of Hg):

3.3.3 If dry type:
- Make: 
- No. of elements:
Size of element (mm):
Inner element: 
Outer element: 
- Material: 
- Vacuum indicator and its range (mm of water/mm of Hg): 
- Whether dust unloading valve has been provided: (Yes / No)
- Servicing/maintenance schedule:

<table>
<thead>
<tr>
<th>Length</th>
<th>ID</th>
<th>OD</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Name of Manufacturer/ Applicant</th>
<th>Document No, if any and its Revision status</th>
<th>Name of Testing Agency: CFMT&amp;TI, BUDNI (M.P.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature:</td>
<td>Make and Model of Tractor:</td>
<td>Signature:</td>
</tr>
<tr>
<td>Name:</td>
<td>Designation: TEST ENGINEER</td>
<td>Name: C.V. CHIMOTE</td>
</tr>
<tr>
<td>Designation:</td>
<td>Date:</td>
<td>Designation:</td>
</tr>
<tr>
<td>Date:</td>
<td></td>
<td>Date:</td>
</tr>
</tbody>
</table>
3.3.4 Turbocharger/Supercharger/EGR (if fitted):
- Make :
- Model :
- Type :
- Boost (Pressure ratio) :
- Speed at rated engine speed (rpm) :
- Method of lubrication :
- Location :

3.4 Exhaust System:
- Make :
- Type of silencer : Up drought /down drought [cylindrical/elliptical]
Location on tractor :
- Exhaust Gas pressure at maximum power, kPa/(mm of Hg) :
- Provision of spark arresting device, (Yes / No) :
- Make and Type of spark arresting device, if provided :

3.5 Lubrication System:
- Type : Force Feed-Cum-Splash/ specify if other
- Minimum permissible lubricating oil pressure, kPa (kgf/cm²) :
- Type of cooling device / inter cooler, if any :

3.6 Cooling System:
- Type : Air cooled or Force circulation of coolant/water
- Recommended Pressure of cap, kPa/ (kgf/cm²) :
- Name & or brand name of coolant :
- Coolant water ratio (as applicable) :
- Bare radiator capacity (l) :
- Capacity of expansion tank (l) :
- Total capacity of cooling system (l) :

3.6.1 Air cooled system, If provided:
Details of blower: :
Blower capacity at rated engine speed (m³/h) :
Method of drive :

3.7 Transmission:
- Make :
- Model/ identification number :
- Type : Mechanical / Hydrostatic

<table>
<thead>
<tr>
<th>Name of Manufacturer/ Applicant</th>
<th>Document No, if any and its Revision status</th>
<th>Name of Testing Agency: CFMT&amp;TI, BUDNI (M.P.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature</td>
<td>Make and Model of Tractor:</td>
<td>Signature :</td>
</tr>
<tr>
<td>Name</td>
<td>Name : C.V. CHIMOTE</td>
<td>Name :</td>
</tr>
<tr>
<td>Designation</td>
<td>Designation: TEST ENGINEER</td>
<td>Designation: TEST ENGINEER</td>
</tr>
<tr>
<td>Date</td>
<td>Date :</td>
<td>Date :</td>
</tr>
</tbody>
</table>
Transmission ratio : Please enclose line diagram of complete transmission system as Annexure-III

Arrangement of power transmission : 2WD / 4WD

3.7.1 Clutch:
- Make :
- Type :
- No. of friction plate(s) :
- Outer diameter (mm) :
- Inner diameter (mm) :
- Material of clutch lining :
- Method of operation :

<table>
<thead>
<tr>
<th>Transmission</th>
<th>PTO</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3.7.2 Gear Box:
Make :
Model/identification mark :
Type : Combination of constant & sliding mesh/ Constant mesh/ Synchro mesh/ Specify if other
Number of speeds :
- Forward :
- Reverse :
Location of main gear shifting levers : Front /LHS/RHS of operator
Location of speed range selector (L/M/H) lever :
- Gear shifting pattern : (please give sketch)

<table>
<thead>
<tr>
<th>Movement</th>
<th>Gear No.</th>
<th>No. of engine revolutions for one revolution of driving wheel</th>
<th>Nominal speed at rated engine speed when fitted with ..........size tyres of ........ mm rolling index (kmph)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forward</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reverse</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3.7.3 Nominal Speed:

3.7.4 Number of front wheel revolutions for one revolution of rear wheel (for 4WD) :

3.8 Power Lift (Hydraulic System):
- Make :
- Model/ identification mark :

Name of Manufacturer/Applicant : [Name of Manufacturer/Applicant]
Document No, if any and its Revision status : [Document No, if any and its Revision status]
Name of Testing Agency: CFMT&TI, BUDNI (M.P.)
Name : [Name]
Designation: [Designation]
Date : [Date]

Signature : [Signature]
Name : [Name]
Designation: [Designation]
Date : [Date]
- Type : [Open centre/closed centre & ADDC/MDC & Live/Non-live]
- Number & name of control levers/knobs : :
- Method of draft sensing : Through top link/lower link
- Provision & type of transporting lock : Mechanical/Hydraulic/Not provided
- Type of hydraulic ram cylinder(s) : :
- Number & location of internal ram cylinders : :
- Number & location of external ram cylinders (If fitted) : :

3.8.1 Pump:
- Make : :
- Type : :
- Model, if any : :
- Location : :
- Speed of pump corresponding to rated engine speed, (rpm) : :
- Rated speed of pump, (rpm) : :
- Discharge of pump at rated engine speed and minimum pressure, (l/min) : :
- Crack off pressure of relief valve, MPa/(kgf/cm²) : :
- Pressure sustained by open relief valve, MPa/(kgf/cm²) : :
- Max. hydraulic power, (kW) : :
- Pump delivery rate at max. power, (l/min) : :
- Pressure corresponding to max. power, MPa/(kgf/cm²) : :

3.8.2 Three Point Linkage:
- Category : [Cat-N/Cat-I/Cat-II]
- Standard to which it conforms : IS:…………………
- Whether any category adopter provided : Yes / No

3.8.3 Linkage Drawbar:
- Category : :
- Conforms to : IS:-------------------

3.8.4 Swinging Drawbar:
- Type : :
- Conforming to : IS:-------------------

3.9 Power Take-off shaft:
- Number of shaft(s) : :
- Type : Type – I/Type-II
- Number of speeds available : Single/dual speeds
- whether ground PTO speed, provided : Yes/No
- Location of PTO Shaft : :
- Method of engaging : :
- PTO speed corresponding to rated engine speed, (rpm) : :
- Other speeds corresponding to rated engine speed (rpm) (If provided) : :
- Engine to PTO speed ratio : (Please specify up to three decimal places)
- Distance behind rear axle, (mm) : 
- Whether PTO Shaft is capable of transmitting the full power of engine : Yes/ No
- Master shield provided : Yes / No

3.10 Towing Hitch:
3.10.1 Front:
- Type
- Location
- Height above GL (mm)
- Arrangement for height adjustment if any
- Dia of pin hole (mm)

3.10.2 Rear:
- Type
- Location
- Height above Ground level (mm)
- Maximum
- Minimum
- Method of changing height

3.11 Steering System:
- Make 
- Type of system : Mechanical/ Hydrostatic/Hydraulic or pneumatic assisted
- Type of steering gearbox : 
- Location of steering gearbox : 
- Dia of steering control wheel (mm) :

3.11.1 Details of hydrostatic steering system, if provided:
- Make & Type of distributor :
- Pressure setting of relief valve :
- Make of pump :
- Type of pump : Gear / Lobe / Plunger / specify if other
- Location of pump :
- Method of drive of pump :
- Make, type & number of hydraulic ram cylinder :
- Location of ram cylinder :

3.12 Brake:
3.12.1 Service Brake:
Make
- Type : Hydraulic/Mechanical/Pneumatic/ any other
- Type of brake disc : Shoe /Dry / Oil immerse
- Number of brake disc :
- Area of lining on each wheel side (cm²) :
- Material of brake liner :
- Location of braking system :
- Method of operation : Individual / combine RHS foot pedal operated

<table>
<thead>
<tr>
<th>Name of Manufacturer/ Applicant</th>
<th>Document No, if any and its Revision status</th>
<th>Name of Testing Agency: CFMT&amp;TI, BUDNI (M.P.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature</td>
<td>Make and Model of Tractor:</td>
<td>Signature :</td>
</tr>
<tr>
<td>Name</td>
<td></td>
<td>Name : C.V. CHIMOTE</td>
</tr>
<tr>
<td>Designation</td>
<td></td>
<td>Designation: TEST ENGINEER</td>
</tr>
<tr>
<td>Date</td>
<td></td>
<td>Date :</td>
</tr>
</tbody>
</table>
3.13 Wheel Equipment:
3.13.1 Steered Wheel(s):
   - Make :
   - Type :
   - Number(s) :
   - Size and Ply rating of tyres :
   - Standard track width, (mm) :

3.13.2 Drive Wheel(s):
   - Make :
   - Type :
   - Number :
   - Size and Ply rating of tyres :
   - Standard track width, (mm) :

3.13.3 Wheel base :
   Method of changing wheel base, if any :

3.14 Roll Over Protective structure, (if fitted should be tested & should meet the requirements as per IS: 11821, and enclose a copy of the test certificate):
   Make/Model/Type: :
   Manufacturer's name and address :
   Protective device :
   - Cab/frame/rollguard/other: :
   Tiltable/not tiltable: :
   Test certificate approval number: :
   Date of approval: :

3.15 Mass OF Tractor: Front Rear Total
   Unballasted Tractor: 
   Tractor with standard ballast: 

3.16 Overall Dimension of Tractor (mm):
   - Length :
   - Width :
   - Height :
   - Ground clearance(mm) :

3.17 Colour of tractor:
   - Chassis & Engine :
   - Sheet metal :
   - Bonnet :
   - Mudguards :
   - Wheel rims :

4.0 Only one Time Re-declaration of Performance Characteristics Based on MoM dated 23.10.2019
   [The following characteristic to be declared by the manufacturer (please refer IS:12207-2019)];

<table>
<thead>
<tr>
<th>Sr No.</th>
<th>Parameter</th>
<th>Declaration during ICT as per</th>
<th>Observed value of the parameter in Re-declaration as per IS:</th>
<th>Details of modifications done, if any</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Manufacturer/ Applicant</td>
<td>Document No, if any and its Revision status</td>
<td>Name of Testing Agency: CFMT&amp;TI, BUDNI (M.P.)</td>
<td>Signature :</td>
<td></td>
</tr>
<tr>
<td>Signature :</td>
<td>Make and Model of Tractor:</td>
<td>Signature :</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name :</td>
<td>Name : C.V. CHIMOTE</td>
<td>Designation: TEST ENGINEER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Designation :</td>
<td>Date :</td>
<td>Date :</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 4.1 PTO Performance Test:

**a)** Maximum power under 2 h test, (kW) (Natural ambient condition)

**b)** Specific fuel consumption corresponding to maximum power, (g/kWh)

**c)** Back-up torque, percent

**d)** Maximum operating temperature, (°C) of Engine oil

### 4.2 Drawbar Performance:

**a)** Max drawbar pull without ballast or with standard ballast, as the case may be corresponding to 15 percent wheel slip or 7 percent track slip, kN

**b)** Max. transmission oil temperature (°C)

### 4.3 Power lift and hydraulic pump performance

At hitch points

### 4.4 Air cleaner Oil Pull Over test

Air cleaner oil pull over (Wet type)

### 4.5 Safety features

**(a)** Technical requirements for PTO shaft

**(b)** Specification of linkage drawbar

**(c)** Specification of swinging drawbar (wherever fitted)

### 4.6

1) Maximum travelling speed at rated engine speed in reverse gears, Kmph
2) Audible warning signal on tractor

4.7 Labelling of tractors:

Provision of labelling plate

4.8 Standard accessories:

Trailer hitch, front tow hook, linkage drawbar should be provided with the tractor

I, .................................................................................. of M/s .................................................................................. hereby declare that information given above in page no. 1 to 10 is as per design / drawings of the commercial model of tractor submitted for test and is correct to the best of my knowledge and belief.

Applicant / Manufacturer :
Signature of Authorised Signatory:
Name:
Designation:
Place:
Date:

PRE-TEST CONDITION CERTIFICATE
FOR COMMERCIAL TEST (Administrative/Technical Extension)

Make of tractor :

<table>
<thead>
<tr>
<th>Name of Manufacturer/ Applicant</th>
<th>Document No, if any and its Revision status</th>
<th>Name of Testing Agency: CFMT&amp;TI, BUDNI (M.P.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature</td>
<td>Make and Model of Tractor:</td>
<td>Signature :</td>
</tr>
<tr>
<td>Name</td>
<td>Date :</td>
<td>Name : C.V. CHIMOTE</td>
</tr>
<tr>
<td>Designation</td>
<td>Date :</td>
<td>Designation: TEST ENGINEER</td>
</tr>
</tbody>
</table>


Model of tractor : 
Nature of test : 

(a) The selection procedure followed for submitting the tractor meets the requirement of clause 4.3 of Indian Standard 5994-1998.

(b) It is certify that the specification of machine submitted for test conforms to the production model, which we propose to introduce.

(c) It is also understood that the test will be carried out on the machine as it stands together with accessories and attachments essential to the satisfactory performance of the machine. We will not be allowed to introduce alterations or modifications on the machine which should affect its normal performance during the progress of tests. If any major modifications or alterations are considered necessary, we shall withdraw the machine from tests and submit another machine of same make and model with fresh application for testing.

I/We do hereby abide by the above preconditions referred to at (a), (b) & (c) above in respect of the test sample submitted for Test at this Institute and in case of any violation we shall withdraw the tractor from test.

Signature of Applicant/Authorized signatory : 
Name & Designation : 
Address: 
Telephone No. 
Fax No. 
Date : 

<table>
<thead>
<tr>
<th>Name of Manufacturer/ Applicant</th>
<th>Document No, if any and its Revision status</th>
<th>Name of Testing Agency: CFMT&amp;TI, BUDNI (M.P.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature :</td>
<td>Make and Model of Tractor:</td>
<td>Signature :</td>
</tr>
<tr>
<td>Name :</td>
<td></td>
<td>Name : C.V. CHIMOTE</td>
</tr>
<tr>
<td>Designation :</td>
<td></td>
<td>Designation: TEST ENGINEER</td>
</tr>
<tr>
<td>Date :</td>
<td></td>
<td>Date :</td>
</tr>
</tbody>
</table>