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

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

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unballasted</td>
<td>710</td>
<td>1335</td>
<td>2045</td>
</tr>
<tr>
<td>Max permissible Ballstred</td>
<td>800</td>
<td>1815</td>
<td>2615</td>
</tr>
</tbody>
</table>

**3.12 Max speed, (kmph)**

- ...26.8...... at rated engine speed of 2150 rpm

**3.13 Max gradeability in degrees**

- 12°

**3.14 Seat (s):**
**3.14.1 Operator's seat:**

<table>
<thead>
<tr>
<th>Manufacturer/Applicant</th>
<th>Document No. if any</th>
<th>Testing Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature</td>
<td></td>
<td>Signature</td>
</tr>
<tr>
<td>Name</td>
<td></td>
<td>Name</td>
</tr>
<tr>
<td>Designation</td>
<td>Anil Sharma</td>
<td>Designation</td>
</tr>
<tr>
<td>Date</td>
<td>Head - Product Development</td>
<td>Date</td>
</tr>
<tr>
<td>Sheet No. Page 6 of 7</td>
<td></td>
<td>R.K. SINGHAI</td>
</tr>
<tr>
<td>Date</td>
<td></td>
<td>25/10/18</td>
</tr>
</tbody>
</table>
3.14.2 Additional seat(s), if any:
- Number: --
- Type: --
- Location: --

3.15 Mirror:
- Type: Rearview type
- Location: On right side of fuel tank cover

3.16 Wheel Base (mm): 1910

3.17 Overall Dimension in travel mode (mm):
- Min. ground clearance: 385
- Overall length: 3430
- Overall width: 1710
- Overall height: 2160

I, Anil Sharma of Eicher Tractors (A Unit of TAFE Motors & Tractors Ltd.) 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: Eicher Tractors (A Unit of TAFE Motors & Tractors Ltd.)

Signature of Authorised Signatory: Anil Sharma

Name: Anil Sharma
Designation: Head – Product Development

Place: Plot # 1, Sector D Industrial Area, Mandideep 462046 (MP)
**DETAILS OF REFLECTORS**
**(Vide Rule 104B of CMVR)**

| Name of the Manufacturer & Address: | M/s Eicher Tractors  
(A Unit of TAFE Motors & Tractors Ltd. A wholly owned subsidiary of TAFE), Plot No. 1, Sector D, Industrial Area, Mandideep – 462 046, Dist. Raisen (M.P.) |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Make and Model of Tractor:</td>
<td>Eicher 485 Tractor</td>
</tr>
<tr>
<td>Name of Variant if any:</td>
<td>None</td>
</tr>
</tbody>
</table>

| Make | M/s Minda Industries Ltd., |
| Class | I A |
| Shape | Rectangular with Rounded/Rectangular ends |
| Number | Two + Two* |
| Location | On rear of both fenders |
| Colour | Red |
| The Standard to which it conform | AIS 057 |
| Test Report No. | RCN-SHL/02/2005-06/29/0037  
SHL/021/2005-06/0065/0692 dated 20.07.2005 |

* Not conforming to AIS 057 for existing rear reflectors

<table>
<thead>
<tr>
<th>Manufacturer/Applicant</th>
<th>Document No, if any Revision status</th>
<th>Testing Agency CFMT&amp;TI, Budni (M.P.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature: Suresh Gopal</td>
<td>Make &amp; Model of tractor: Eicher 485 Tractor</td>
<td></td>
</tr>
<tr>
<td>Name: Suresh Gopal</td>
<td></td>
<td>Signature: R.K. SINGHAI</td>
</tr>
<tr>
<td>Designation: Sr. Manager</td>
<td></td>
<td>Name: Sr. Test Engineer</td>
</tr>
<tr>
<td>Date: 28.03.2006</td>
<td></td>
<td>Date: 28.03.2006</td>
</tr>
</tbody>
</table>
No. CMVR/T- 22/2004-2005
Dated, the 09.08.2004

CERTIFICATE FOR AGRICULTURAL WHEELED TRACTOR FOR COMPLIANCE TO THE
CENTRAL MOTOR VEHICLE RULES, 1989 (AS AMENDED FROM TIME TO TIME)

(SEE RULE 126)

Based on the verification of documents, tests conducted at this Institute on the
Prototype/commercial model of **Eicher 485 Tractor** and certificate No. ARAI/COP/AT
(Trem II)/398 ED/2003-444 dated 31st October, 2003 issued by ARAI, Pune, for compliance to smoke and
mass emission Bharat (Trem) Stage II norms under Rule 115A of the CMV Rules for Agricultural
Tractors (fitted with diesel engine), it is certified that the **Eicher 485 Tractor** and its variant* manufactured
by M/s Eicher Tractors, (A Unit of Eicher Limited), 59, NIT Faridabad - 121 001,
Haryana/ Plot No. 1, Sector D, Industrial Area, Mandideep - 462 046, Distt. Raisen (M.P.),
complies with the provisions of Central Motor Vehicle Rules, 1989 (As amended up to date) and as
detailed in **Annexure-A**. The details of coding system along with the location of chassis No., engine
No. and coding for the month & year of production of the Tractor as submitted by the manufacturer is
enclosed as **Annexure-B**.

2. The brief technical specification of the said Tractor and its variant(s)* is/are enclosed as
**Annexure-C**

* Variant: None

N.B: i) This certificate is issued in pursuance of Gazette Notification No.GSR-111 (E) dated the 10th
February, 2004 and Corrigendum 178(E) dated 05.03.2004 of Ministry of Road Transport &
Highways as applicable w.e.f. 10th August, 2004.
ii) This Certificate supersedes the earlier certificate No. CMVR/T-96/2003-2004 issued by this Institute
ii) This certificate is issued for the purpose of registration only.

(R.K. SINGHAI)
Senior Test Engineer
Head of Test Laboratory

(S.C.JAIN)
DIRECTOR
Head of the Testing Institute
(Authorised Signatory)
Dated the 09.08.2004

The **EICHER 485 TRACTOR** and its documents have been verified for following rules and found to be complying:

<table>
<thead>
<tr>
<th>Rule No.</th>
<th>Title</th>
<th>Sub Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>Form and manner of display of registration marks on motor vehicles</td>
<td>(4) &amp; (5)</td>
</tr>
<tr>
<td>93A</td>
<td>Overall dimensions of Motor Vehicles</td>
<td>(1), (2), (4), (5) &amp; (7)</td>
</tr>
<tr>
<td>94</td>
<td>Condition of tyres</td>
<td>(1), (2) &amp; (3)</td>
</tr>
<tr>
<td>95 &amp; 95A</td>
<td>Size and Ply rating of tyres</td>
<td>(1), (2) &amp; (5)</td>
</tr>
<tr>
<td>96 C</td>
<td>Brakes</td>
<td>--</td>
</tr>
<tr>
<td>98 B</td>
<td>Steering gears</td>
<td>(1), (2) &amp; (3)</td>
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<tr>
<td>99</td>
<td>Forward and Backward motion</td>
<td>--</td>
</tr>
<tr>
<td>108</td>
<td>Use of red, white or blue lights</td>
<td>(1)</td>
</tr>
<tr>
<td>111</td>
<td>Prohibition of spot lights etc.</td>
<td>--</td>
</tr>
<tr>
<td>112</td>
<td>Exhaust gases</td>
<td>--</td>
</tr>
<tr>
<td>113</td>
<td>Location of exhaust pipes</td>
<td>--</td>
</tr>
<tr>
<td>115-A</td>
<td>Emission of smoke, vapours etc. from Agricultural tractor as per Bharat (Trem) Stage-II norms</td>
<td>(2), (3) &amp; (5)</td>
</tr>
<tr>
<td>117</td>
<td>Speedometer (Engine rpm cum-hour meter)</td>
<td>(1)</td>
</tr>
<tr>
<td>119</td>
<td>Horns</td>
<td>(1) &amp; (2)</td>
</tr>
<tr>
<td>120</td>
<td>Silencers</td>
<td>(1) &amp; (3)</td>
</tr>
<tr>
<td>121</td>
<td>Painting of Motor Vehicles</td>
<td>(1)</td>
</tr>
<tr>
<td>122</td>
<td>Embossment of Chassis Number, Engine Number and date of manufacture</td>
<td>(1) &amp; (2)</td>
</tr>
<tr>
<td>124A</td>
<td><strong>Safety standards of components</strong></td>
<td>(1), (2), (3), (4), (5), (6) &amp; (7)</td>
</tr>
<tr>
<td>125</td>
<td>Safety belt, collapsible steering column, autodipper &amp; padded dash boards</td>
<td>(2)</td>
</tr>
</tbody>
</table>

(R.K.SINGHAI)  
**SENIOR TEST ENGINEER**  
Head of Test Laboratory  
Senior Test Engineer  
Central Farm Machinery Training & Testing Institute  
Government of India,  
Tractor Nagar 466-445, BUDNI (M)
Details of location of Chassis number and code for month and year of manufacture as per rule 122 of CMVR.

<table>
<thead>
<tr>
<th>Name of the Vehicle Manufacturer &amp; Address</th>
<th>Eicher Tractors (A Unit of Eicher Ltd)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• 59, NIT, Faridabad, HARYANA - 121001</td>
</tr>
<tr>
<td></td>
<td>• Plot No 1, Sector -D, Industrial Area, MANDIDEEP -482048, Distt Raisen(M.P)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of the basic model</th>
<th>Eicher 485</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Variants, if any</td>
<td>(View from Driver's Seat)</td>
</tr>
<tr>
<td>Place of Embossing or etching the Chassis Number</td>
<td>Location of Engine / Chassis No is on a plate riveted to RHS mudguard</td>
</tr>
<tr>
<td>(Supporting details by drawing or pictures may be provided if necessary)</td>
<td>Punching of Engine No on LHS of engine crank case below exhaust Manifold</td>
</tr>
<tr>
<td></td>
<td>Punching of Chassis Number on RHS of Front Axle</td>
</tr>
</tbody>
</table>

**Code for month and year of production:**

<table>
<thead>
<tr>
<th>Code for month &amp; Year of production:</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Month/year</td>
<td></td>
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<tr>
<td>January, 96</td>
<td>01</td>
</tr>
<tr>
<td>February, 96</td>
<td>02</td>
</tr>
<tr>
<td>March, 96</td>
<td>03</td>
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<td>April, 96</td>
<td>04</td>
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<td>April, 2004</td>
<td>99</td>
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<tr>
<td>May, 2004</td>
<td>100</td>
</tr>
<tr>
<td>June, 2004</td>
<td>102</td>
</tr>
<tr>
<td>and so on</td>
<td></td>
</tr>
</tbody>
</table>

Position of the code for month/year of production in the Chassis number: 2nd-4th digits

Height of the Chassis number: Min 5 mm

<table>
<thead>
<tr>
<th>Manufacturer/Applicant</th>
<th>Document No, if any Revision status</th>
<th>Testing Agency CFMT&amp;TI, Budpur(M.P)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature</td>
<td>Make &amp; Model of tractor:</td>
<td>Signature:</td>
</tr>
<tr>
<td>Name: Anil Sharma</td>
<td></td>
<td>Name:</td>
</tr>
<tr>
<td>Designation: Head --PD</td>
<td></td>
<td>Designation: Sr. Test Engr.</td>
</tr>
<tr>
<td>Date: Date</td>
<td></td>
<td>Date: 9/1/07</td>
</tr>
</tbody>
</table>
GOVERNMENT OF INDIA
CENTRAL FARM MACHINERY TRAINING & TESTING INSTITUTE
MIN. OF AGRI., (DEPT. OF AGRI. AND CO-OPN.)
TRACTOR NAGAR, P.O. BUDNI (M.P.) 466 445
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: Eicher Tractors
(A Unit of Eicher Limited)
59, NIT Faridabad
121 001
Haryana
Plot # 1, sector D
Industrial Area
Mandideep 462046
Distt. Raisen (MP)

Telephone Number (s): (0129) 2233751
55
Fax Number (s): 2233233

1.2 Name of Applicant, if other than manufacturer:
Address of applicant: Eicher Tractors Engineering Centre
(A Unit of Eicher Limited)
Plot # 1, sector D Industrial Area
Mandideep 462046 Distt. Raisen (MP)

Telephone Number (s): (07480) 507680
Fax Number (s): 504635

2.0 BRIEF TECHNICAL SPECIFICATION OF TRACTOR:

2.1 Agricultural Tractor / Other Tractor:
Make: EICHER
Model: Eicher 485
Type: Four-wheel general-purpose agricultural tractor.

Variant(s) if any (please give brief description of variants separately):
Chassis No.: 910311535269
Serial Number:
Year of manufacture (attach coding system letter also): Attached Table 11 of AIS: 007, 2004,

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Signature</td>
<td></td>
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</tr>
<tr>
<td>Name: Anil Sharma</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Designation: Head - Product Development</td>
<td>Sheet No. Page 1 of 7</td>
<td></td>
</tr>
<tr>
<td>Date:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Signature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name: R.K. SINGHAL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Designation: Sr. Test Engr.</td>
<td>Date</td>
<td></td>
</tr>
</tbody>
</table>

[Signature]

[Date: 24/11/2004]
Max. PTO power, kW @ rpm : 27.9 kW @ 2150 ± 30 rpm  
(Related value)  
Rated PTO power, kW @ rpm : 27.9 kW @ 2150 rpm  
(Related value)  
Whether tested in India earlier, if yes, specify Name of Test Agency & its test report No. with month and year of issue: Yes  
CFMT & Ti Budni  
Report No. T – 454/905  
Oct' 2002

### 3.0 Prime Mover for the Tractor:
- **Make:** Eicher
- **Model:** 398 ED
- **Type:** Four stroke, Air cooled, Direct injection, Diesel Engine
- **Serial Number:** 50327220016
- **Bore / stroke, mm (apa):** 100 / 125
- **Capacity (cc):** 2945
- **No. of cylinders:** Three
- **Max engine out put, kW @ rpm:** 31.30 kW @ 2150 ± 25 rpm  
(Related value)  
- **Rated engine out put, kW @ rpm:** 31.3 kW @ 2150  
(Related value)  
- **Arrangement of valves:** Overhead

### 3.1 Air Cleaner:
- **Nos.:** One  
- **Location:** In front of engine under the bonnet  
- **Type:** Oil Bath

### 3.2 Cooling System:
- **Type:** Air cooled  
- **Radiator cap pressure marking, kPa (kgf/cm²):** NA

### 3.3 Fuel System:
- **Type:** Gravity & force feed

#### 3.3.1 Fuel filter(s):
- **Make:** MICO, LIC BOSCH  
- **Type:** Primary & Secondary both Paper element  
- **Number(s):** Two

#### 3.3.2 Fuel feed pump:

<table>
<thead>
<tr>
<th>Manufacturer/Applicant</th>
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<th>Testing Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature :</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name : Anil Sharma</td>
<td>Sheet No. Page 2 of 7</td>
<td>Signed by R.K. SINGHAI</td>
</tr>
<tr>
<td>Designation : Head - Product Development Date :</td>
<td></td>
<td>Designation : Sr. Test Engr.</td>
</tr>
<tr>
<td>Date :</td>
<td></td>
<td>Date : 9/10/04</td>
</tr>
</tbody>
</table>
3.3.3 Fuel Injection Pump:
- Make: MICO, LIC BOSCH
- Model/Group Combination No.: F002 AOZ 085 / PES3A90D320
- Type: plunger
- Serial number: 48 1239 25

3.3.4 Governor:
- Make: MICO, LIC BOSCH
- Model/group combination No.: RSV 300...1075A 1C 929R

3.3.5 Fuel tank:
- Material: Metallic
- Location: Above bell housing
- Capacity (l): 49

3.4 Lubrication System:
- Type: Force feed & splash
- No. & type of oil filter (s): One, full flow, spin on cartridge

3.5 Clutch:
- Type: Dry, friction plate
- No. of plate (s): One
- Main: 280 mm
- PTO: ----

3.6 Gear box:
- Make: Eicher
- Model & identification no., if any: ----
- Type: Combination of constant mesh and sliding mesh arrangement.
- No. of arrangements: 2

3.6.1 No. of gears:
- Forward: 8
- Reverse: 2

3.6.2 Range of speeds, (kmph):
- Forward: 3.7 to 26.8
- Reverse: 3.7 & 11.0
3.7 Steering:
Make: ZF / Rane
Type: Mechanical worm & roller
Steering wheel dia., (mm): 450
Location of steering wheel: Above bell housing
Steered axle: Front
Minimum turning diameter,( m): 6.4 (with brake)

3.8 Wheel equipment & tyres:
3.8.1 Front:
Tyre size & ply rating: 6.00 X 16, 8 PR
Track width range , (mm): 1305 (std) 1425
Recommended tyre pressure for road work, kPa (kgf/cm²): 177 to 206
Optional tyre size & ply rating:

3.8.2 Rear:
Tyre size & ply rating: 13.6 X 28, 12 PR
Track width range , (mm): 1310 to 1810
Recommended tyre pressure for road work, kPa (kgf/cm²): 97 to 110
Optional tyre size & ply rating:

3.9 Brakes:
3.9.1 Service brake:
Type (describe briefly): Mechanical, Dry disc
Location: On each wheel side on differential half axle shaft.
Method of operation: RHS foot operated for independent as well as combined operation.

3.9.2 Hand / Parking brake:
Type and brief description: Pawl & ratchet type locking arrangement for service brakes.
Location: Same as service brake
Method of operation: Service brakes are locked in position by a hand lever provided on RHS foot rest.

3.10 Electrical system of tractor:
System voltage,( V): 12
Terminal earthed: Yes

3.10.1 Battery:
Type: Lead acid

<table>
<thead>
<tr>
<th>Manufacturer/Applicant</th>
<th>Document No. if any Revision status</th>
<th>Testing Agency</th>
</tr>
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<td></td>
</tr>
<tr>
<td>Name</td>
<td>Anil Sharma</td>
<td>R.K. SINGHAI</td>
</tr>
<tr>
<td>Designation</td>
<td>Head - Product Development</td>
<td>Sr. Test Engr.</td>
</tr>
<tr>
<td>Date</td>
<td></td>
<td>q 10th</td>
</tr>
<tr>
<td>Sheet No. Page 4 of 7</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
3.10.2 Generator (Alternator/Dynamo):
Type: Alternator
Max. output, (W): 12 Volt, 23 Amps.

3.10.3 Starter:
Type: Pre-engaging, solenoid operated
Max power input, (kW) 12V, 2.7 kW

3.10.4 Head Lights:
- Make: Halonix
- Numbers: Two
- Wattage of bulbs, (W): 12V, 60/55 W
- Location: In front of Bonnet
- Colour: White

3.10.5 Parking Light(s):
- Make: USHA / Philips
- Number(s) Two
- Wattage of bulbs, (W) 12V, 5 W
- Location: Front side of both mudguards
- Colour: White

3.10.6 Turn indicator light(s):
- Make: USHA / Philips
- Number(s) Two
- Wattage of bulbs, (W) 12V, 21 W
- Location: Front side of both mudguards
- Colour: Amber

<table>
<thead>
<tr>
<th>Manufacturer/Applicant</th>
<th>Document No. if any</th>
<th>Testing Agency</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
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<tr>
<td>Name: Anil Sharma</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Designation: Head - Product Development</td>
<td>Sheet No. Page 5 of 7</td>
<td></td>
</tr>
<tr>
<td>Date:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Signature:</td>
<td>R.K. SINGHAI</td>
<td></td>
</tr>
<tr>
<td>Name:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Designation: Sr. Test Engr.</td>
<td>Date</td>
<td></td>
</tr>
</tbody>
</table>
3.10.7 Brake / stop light:
- Make: Usha / Philips
- Number(s): Two
- Wattage of bulbs, (W): 12V, 21/5 W
- Location: Rear side of both mudguards
- Colour: Red

3.10.8 Plow / work light:
- Make: Usha
- Number(s): One
- Wattage of bulbs, (W): 12V, 36 W
- Location: Rear side of right mudguard
- Colour: White

3.10.9 Reflector(s):
Front:
- Shape
- No.(s)
- Location
- Colour

Rear:
- Shape: Rectangular
- No.(s): Two
- Location: Part of rear combination light
- Colour: Red

3.11 Mass, (kg)

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.11.1 Unballasted</td>
<td>710</td>
<td>1335</td>
<td>2045</td>
</tr>
<tr>
<td>3.11.2 Max permissible Ballasted</td>
<td>800</td>
<td>1815</td>
<td>2615</td>
</tr>
</tbody>
</table>

3.12 Max speed, (kmph)

...26.8...... at rated engine speed of 2150 rpm

3.13 Max gradeability in degrees

12°

3.14 Seat (s):
3.14.1 Operator's seat:
- Make
- Type
- Location: On ADDC

3.14.2 Additional seat (s), if any:

None

<table>
<thead>
<tr>
<th>Manufacturer/Applicant</th>
<th>Document No, if any</th>
<th>Revision status</th>
<th>Testing Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name:</td>
<td>Anil Sharma</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Designation:</td>
<td>Head - Product Development</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date:</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Signature:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name:</td>
<td>R.K. SINGHAI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Designation:</td>
<td>Sr. Test Engr.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
3.15 Mirror:
- Type: Back View Mirror
- Location: On right side of fuel tank cover

3.16 Overall Dimension in travel mode (mm):
- Min. ground clearance: 385
- Overall length: 3430
- Overall width: 1710
- Overall height: 2160
- Wheel base: 2075

I, Anil Sharma of M/s Eicher Tractors Engineering Centre (A Unit of Eicher Limited) 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: Anil Sharma
Designation: Head - Product Development
Place: Plot # 1, Sector D Industrial Area, Mandideep 462046 (MP)
Date:

<table>
<thead>
<tr>
<th>Manufacturer/Applicant</th>
<th>Document No, if any</th>
<th>Testing Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature : Anil Sharma</td>
<td>Sheet No. Page 7 of 7</td>
<td>Signature : R.K. SINGHAi</td>
</tr>
<tr>
<td>Name : Anil Sharma</td>
<td></td>
<td>Name : R.K. SINGHAi</td>
</tr>
<tr>
<td>Designation : Head - Product Development</td>
<td></td>
<td>Designation : Sr. Test Engr.</td>
</tr>
<tr>
<td>Date :</td>
<td></td>
<td>Date :</td>
</tr>
</tbody>
</table>
EXTENSION No.01 to CERTIFICATE No. CMVR/T- 619/703/2013-2014 Dated: 30.12.2013

1. Whereas M/s. Eicher Tractors (A Unit of TAFE Motors and Tractors Ltd., A Wholly Owned subsidiary of TAFE), Plot No. 1, Sector D, Industrial Area, Mandideep 462 046 Distt. Raisen (M.P) has submitted an undertaking letter No. Nil dated 28.03.2015 along with the documents including test reports of components issued by M/s. ICAT Manesar, Gurgaon in respect of Eicher 548 TRACTOR.


<table>
<thead>
<tr>
<th>S. No.</th>
<th>Title</th>
<th>Rule No.</th>
<th>sub-rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>i)</td>
<td>Windscreen wiper</td>
<td>404</td>
<td>(2B)</td>
</tr>
<tr>
<td>ii)</td>
<td>Deflection of lights</td>
<td>106</td>
<td>(1)</td>
</tr>
<tr>
<td>iii)</td>
<td>Silencers</td>
<td>120</td>
<td>(3)</td>
</tr>
<tr>
<td>iv)</td>
<td>Embossment of chassis number and Engine number and month of manufacture</td>
<td>122</td>
<td>(1A)</td>
</tr>
<tr>
<td>v)</td>
<td>Safety standards of components for agricultural tractors</td>
<td>124A</td>
<td>(1), (3), (6) &amp; (13)</td>
</tr>
<tr>
<td>vi)</td>
<td>Trailer brake</td>
<td>96C</td>
<td></td>
</tr>
</tbody>
</table>

3. The list of changes in technical specifications, as submitted by the manufacturer is enclosed as Annexure-F [No. of page(s) - 1].


ii) Further, this extension certificate is issued on the basis of documents produced / submitted by the manufacturer. Breach of any statutory provision of Indian laws or laws of other countries, will be the sole responsibility of the manufacturer. Further Central Farm Machinery Training & Testing Institute, Bujni (M.P.) has the right to initiate cancellation/withdrawal of the certificate issued at any time in case of misrepresentation/alteration/fraud etc. comes to the knowledge of Institute.

( R. M. TIWARI)  
Senior Agricultural Engineer  
Head of Test Laboratory

(C. R. LOHI)  
DIRECTOR  
Head of the Testing Institute  
(Authorized Signatory)
### Table 12 of AIS: 007
#### Details of changes in Technical Specification

1. **Manufacturers name and address:**
   Mis' Eicher Tractors
   (A Unit of TAFE Motors & Tractors Ltd.
   A Wholly Owned Subsidiary of TAFE)
   Plot 1, sector D; Industrial Area
   Mandideep - 462046, Distt - Raisen (M.P)

2. **Name of the model and variants:**
   Base Model: Eicher 548

3. **CMVR Certificate No.**
   Date: 30/12/2013
   Specification No. Refer to column-3 of clause 8 (Changes in brief Technical Specification)

4. **Valid Extensions**
   --- NA ---

5. **Nature of Change:**
   For compliance to Statutory requirements

6. **Changes in brief technical specification:**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Specification No. &amp; Clause No.</th>
<th>Description</th>
<th>Previous</th>
<th>Present</th>
<th>Changes: Yes / No</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.0</td>
<td></td>
<td>Agricultural Tractor/Other Tractor</td>
<td>Eicher 548</td>
<td>Eicher 548</td>
<td>No</td>
</tr>
<tr>
<td>6.1</td>
<td>2.1</td>
<td>Tractor Model</td>
<td>Eicher 548</td>
<td>Eicher 548</td>
<td>No</td>
</tr>
<tr>
<td>6.2</td>
<td>3.9.3</td>
<td>Trailer Brake</td>
<td>Not provided</td>
<td>Provided</td>
<td>Yes</td>
</tr>
<tr>
<td>6.3</td>
<td>3.0</td>
<td>Prime Mover (Engine for the Tractor)</td>
<td>398E49</td>
<td>398E49</td>
<td>No</td>
</tr>
<tr>
<td>6.4</td>
<td></td>
<td>Engine Model</td>
<td>398E49</td>
<td>398E49</td>
<td>No</td>
</tr>
</tbody>
</table>

### Table 12 A of AIS:007 (Continuation of Table 12)
#### Details of changes in Technical Specification

8. **Do the changes affect the compliance to CMVR? (Yes/No)**
   No

9. **If yes, which provisions are affected?**
   (Indicate the Rule No. and where applicable the number of standard)

   Note: in case CEA is to be applied, for clearance without all or some tests, enclose the details as per Table 10

   --- NA ---

10. **Test report references for tests carried out for new specifications (if any)**

### Name of Manufacturer:
TAFE Motors and Tractors Ltd.
Mandideep - 462046 (M.P)

### Document No. (if any and its Revision status):

### Name of Testing Agency:
C.F.M.T. & Center (I.A.E.)

### Name of Testing Institution:
---

### Date:
30/03/2015

### Name of Testing Agency:
C.F.M.T. & Center (I.A.E.)

### Signature:
---

### Name of Testing Agency:
C.F.M.T. & Center (I.A.E.)

### Signature:
---

### Name:
Suresh Gopal

### Designation:
Chief Engineer - R&D

### Make & Model of tractor: Eicher 548

### Name:
R.M. Tiwari

### Designation:
Senior Agricultural Engineer

### Date:
---
CERTIFICATE FOR AGRICULTURAL WHEELED TRACTOR FOR COMPLIANCE TO THE CENTRAL MOTOR VEHICLES RULES, 1989 (AS APPLICABLE ON DATE)

M/s. Eicher Tractors,
(A unit of TAFE Motors & Tractors Ltd,
A wholly owned subsidiary of TAFE),
Plot No.1, Sector D, Industrial Area,
Mandideep, Distt. Raisen (M.P.) – 462 046


2. The details of coding system along with location of chassis No., engine No. and coding for the month and year of production of the tractor, as Submitted by the manufacturer, is enclosed as Annexure-B. [No. of page(s): 1].

3. The brief technical specification of the said tractor, as submitted by the manufacturer, is enclosed as Annexure-C. [No. of page(s): 8].

4. The drawing of Rear Marking Plate, as submitted by M/s. Eicher Tractors, (A unit of TAFE Motors & Tractors Ltd, A wholly owned subsidiary of TAFE), Plot No.1, Sector D, Industrial Area, Mandideep, Distt. Raisen (M.P.) – 462 046, is enclosed as Annexure-D [No. of page(s): 1].


ii) This certificate is issued for the purpose of registration only.

iii) Central Farm Machinery Training & Testing Institute, Būḍānī (M.P.) has the right to initiate cancellation/withdrawal of the certificate issued at any time in case of misrepresentation/ alteration/fraud etc. comes to the knowledge of Institute.

(C. V. CHIMOTEN)
TEST ENGINEER
Head of Test Laboratory

(C. R. LOHI)
DIRECTOR
Head of the Testing Institute (Authorized Signatory)
The **EICHER 548 TRACTOR** fitted with "398E49" **diesel engine**, has been **inspected/tested** and its documents have been verified for compliance to following CMV Rules and found to be complying:

<table>
<thead>
<tr>
<th>Rule No.</th>
<th>Title</th>
<th>Sub Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>Form and manner of display of registration marks on motor vehicles</td>
<td>(1)(vi) &amp; (5)</td>
</tr>
<tr>
<td>93A</td>
<td>Overall dimensions for agricultural tractors</td>
<td>(1), (2), (3), &amp; (4)</td>
</tr>
<tr>
<td>94</td>
<td>Condition of tyres</td>
<td>(1), (2) &amp; (3)</td>
</tr>
<tr>
<td>95A</td>
<td>Size and ply rating of tyres for agricultural tractor</td>
<td>(1) &amp; (2)</td>
</tr>
<tr>
<td>96C</td>
<td>Brakes for agricultural tractor</td>
<td></td>
</tr>
<tr>
<td>98B</td>
<td>Steering gears for agricultural tractor</td>
<td>(1), (2) &amp; (3)</td>
</tr>
<tr>
<td>99</td>
<td>Forward and Backward motion</td>
<td></td>
</tr>
<tr>
<td>104B</td>
<td>Fitment of reflectors for agricultural tractors</td>
<td>(1) &amp; (2)</td>
</tr>
<tr>
<td>108</td>
<td>Use of red, white or blue light</td>
<td>(1)</td>
</tr>
<tr>
<td>111</td>
<td>Prohibition of spot lights, etc.</td>
<td></td>
</tr>
<tr>
<td>112</td>
<td>Exhaust gases</td>
<td></td>
</tr>
<tr>
<td>113</td>
<td>Location of exhaust pipes</td>
<td></td>
</tr>
<tr>
<td>115A</td>
<td>Emission of smoke and vapour from agricultural tractors, power tillers and construction equipment vehicles driven by diesel engines <strong>[Bharat (Trem) Stage-IIIa]</strong></td>
<td>(2), (3) &amp; (7)</td>
</tr>
<tr>
<td>117</td>
<td>Speedometer (Engine rpm cum-hour meter)</td>
<td>(1)</td>
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<tr>
<td>119</td>
<td>Horns</td>
<td>(1) &amp; (2)</td>
</tr>
<tr>
<td>120</td>
<td>Silencers</td>
<td>(1) &amp; (3)</td>
</tr>
<tr>
<td>121</td>
<td>Painting of Motor Vehicles</td>
<td>(1)</td>
</tr>
<tr>
<td>122</td>
<td>Embossment of Chassis Number, Engine Number and month of manufacture</td>
<td>(1A) &amp; (2)</td>
</tr>
<tr>
<td>124A</td>
<td>Safety standards of components for agricultural tractors</td>
<td>(1), (2), (7), (8) &amp; (12)</td>
</tr>
<tr>
<td>125</td>
<td>Safety belt, collapsible steering column, auto- dipper &amp; padded dash boards</td>
<td>(2)</td>
</tr>
</tbody>
</table>

(C. V. CHIMOTE)
TEST ENGINEER
Head of Test Laboratory
Test Engineer
भारत सरकार
Govt. of India
केंद्रीय कृषि मशीन, प्रौद्योगिकी, एवं परसंस्करण, नगर नगर, बुद्धनगर
Central Farm Machinery Training & Testing Institute, Bhusn - 456445
Details of location of Chassis number and code for month and year of manufacture as per rule 122 of CMVR.

| Name of the Vehicle Manufacturer & Address | Eicher Tractors  
(A unit of TAFE Motors & Tractors Ltd.  
A Wholly owned subsidiary of TAFE)  
Plot 1; sector D Industrial  
Area, MANDIDEEP - 452046  
Distt. Raisen (M.P) |
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Name of the basic model</td>
</tr>
<tr>
<td>Name of Variants, if any</td>
</tr>
</tbody>
</table>
| Place of Embossing or etching the Chassis Number | (View from Driver seat)  
Location of Engine / Chassis No is on a plate riveted to RHS of mudguard.  
Punching of Chassis No on RHS of Front axle  
Punching of Engine No on RHS of engine crank case |

Code for month and year of production:

<table>
<thead>
<tr>
<th>Code for month of production:</th>
<th>Code for year of production:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Month</td>
<td>Code</td>
</tr>
<tr>
<td>January, 1996</td>
<td>01</td>
</tr>
<tr>
<td>February, 1996</td>
<td>02</td>
</tr>
<tr>
<td>March, 1996</td>
<td>03</td>
</tr>
<tr>
<td>April, 1995</td>
<td>04</td>
</tr>
<tr>
<td>March, 2004</td>
<td>09</td>
</tr>
<tr>
<td>April, 2004</td>
<td>100</td>
</tr>
<tr>
<td>March, 2013</td>
<td>207</td>
</tr>
<tr>
<td>April, 2013</td>
<td>208</td>
</tr>
<tr>
<td>October, 2013</td>
<td>214</td>
</tr>
<tr>
<td>November, 2013</td>
<td>215...</td>
</tr>
</tbody>
</table>

Position of the code for month of production in the Chassis number: 2nd, 3rd & 4th digits
Position of the code for year of production in the Chassis number: 2nd, 3rd & 4th digits
Height of the Chassis number (Vehicle Identification Number): 13 mm

Manufacturer/Applicant: Eicher  
Tractors (A Unit of TAFE Motors and Tractors Limited)

Signature: [Signature]
Name: Suresh Gopal
Designation: Chief Engineer - R&D
Date: 19/11/2013

Document No, if any Revision status: [Document No, if any Revision status]

Make & Model of Tractor: Eicher 548

Testing Agency: CFMT&TI, Budni (M.P)
Signature: [Signature]
Name: C V Chimote
Designation: Test Engineer
Date: [Date]

Goa, of India
Central Farm Machinery Training & Testing Institute, Budni - 462022
GOVERNMENT OF INDIA  
CENTRAL FARM MACHINERY TRAINING & TESTING INSTITUTE  
MIN. OF AGRI., (DEPT. OF AGRI. AND CO-OPN.)  
TRACTOR NAGAR, P.O. BUDNI (M.P.) 466 445  
E-mail : fmti-mp@nic.in  
Web site : dacnet.nic.in/cfmtti

BRIEF TECHNICAL SPECIFICATIONS FOR AGRICULTURAL / OTHER TRACTORS  
(See AIS : 007 – Table 16)  
(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 : EICHER TRACTORS  
(A unit of TAFE Motors & Tractors Ltd.  
A Wholly owned subsidiary of TAFE)  
Plot 1; sector D Industrial Area Mandideep  
462046 Distt. Raisen (MP)

Telephone Number (s) : (07480) 407680 - 84  
Fax Number (s) : 07480-404635  
E mail Address : etb@tml.co.in  
Website :

1.2 Name of Applicant, if other than manufacturer:  
Address of applicant : N.A  
Telephone Number (s) : N.A  
Fax Number (s) : N.A  
E mail Address : N.A  
Website : N.A

2.0 BRIEF TECHNICAL SPECIFICATION OF TRACTOR:  
2.1 Agricultural Tractor / Other Tractor:  
Make : EICHER  
Model : EICHER 548  
Type : Four wheel, Rear wheel driven, Standard, Agricultural tractor.

Variant(s) if any (please give brief description of variants separately): None

Chassis No. : 921013530964  
Serial Number : N.A

| Manufacturer/Applicant Eicher Tractors (A Unit of TAFE Motors and Tractors Limited), Mandideep – 462046 (M.P) | Document No, if any Revision status | Testing Agency  
<table>
<thead>
<tr>
<th>Signature</th>
<th>CFMT &amp; TI, Budni (M.P)</th>
</tr>
</thead>
</table>
| Name : Suresh Gopal  
Designation : Chief Engineer  
Date : 19/11/2013 | Make & Model  
Of Tractor: Eicher 548 |
| Signature | C.V. Chimote  
Designation : Test Engineer  
Date : 30/12/2013 |
Annexure – C to CMVR Certificate No. CMVR/T-19/7/23/2013 - dated 30/12/2013

Page 2 of 8

Year of manufacture (attach coding):
System letter also: 2013

Max. PTO power, kW @ rpm: 31.8 kW @ 2150 rpm
(declared value)

Rated PTO power, kW @ rpm: 31.8 kW @ 2150 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: No

3.0 Prime Mover for the Tractor:

Make: M/s Eicher Tractor Engine Division, Alwar
Model: 398E49
Type: Four stroke, Air cooled, Natural Aspirated, Direct injection, Diesel Engine

Serial Number: 520827401092
Bore / stroke, mm (apa): 100 / 125
Capacity (cc): 2945
No. of cylinders: Three
Max engine out put, kW @ rpm: 36.4 kW @ 2150
(declared value)
Rated engine out put, kW @ rpm: 36.4 kW @ 2150
(declared value)
Arrangement of valves: Overhead

3.1 Air Cleaner:
No.:
Location: In front of engine under the bonnet
Type: Dry

3.2 Cooling System:
Type: Air cooled
Radiator cap pressure marking, kPa: N.A

3.3 Fuel System:
Type: Gravity & force feed

3.3.1 Fuel filter(s):
Make: BOSCH
F002 H20 110
Type: Primary & Secondary both micro filter paper

Manufacturer/Applicant Eicher Tractors (A Unit of TAFE Motors and Tractors Limited), Mandideep – 462004 (M.P.)

Document No. if any Revision status
Testing Agency CFMT & TI, Budni (M.P.)

Make & Model
Of Tractor: Eicher 548
Signature
Name: Suresh Gopal
Designation: Chief Engineer
Date: 19/11/2013

Signature
Name: C.V. Chinnath
Designation: Test Engineer
Date: 30/12/2013
### Annexure – C to CMVR Certificate No. CMVR/T- 619 / 703 / 2013 - 14 dated 30/12/2013

<table>
<thead>
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<th>Number(s)</th>
<th>Two</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional filter(s), if any:</td>
<td>None</td>
</tr>
</tbody>
</table>

#### 3.3.2 Fuel feed pump:
- **Make:** BOSCH
- **Type:** Plunger with Hand Primer
- **Model / Group Combination No.:** FP/KS22AD62 / 9 440 030 029

#### 3.3.3 Fuel Injection Pump:
- **Make:** BOSCH
- **Model / Group Combination No.:** E040 288 000
- **Type:** Inline, Plunger
- **Serial number:** 303001

#### 3.3.4 Governor:
- **Make:** BOSCH
- **Model/group combination No.:** E042 218 900
- **Type:** Mechanical, centrifugal, variable speed

#### 3.3.5 Fuel tank:
- **Material:** Plastic
- **Location:** Above bell housing
- **Capacity (l):** 45

#### 3.4 Lubrication System:
- **Type:** One, full flow throw away paper element
- **No. & type of oil filter (s):** One

#### 3.5 Clutch:
- **Type:** Dry, Disc
- **No. of plate (s):** One
  - **Main:** One
  - **PTO:** N.A

#### 3.6 Gear box:
- **Make:** Eicher
- **Model & identification no., if any:** N.A
- **Type:** Mechanical, Combination of constant mesh and sliding mesh spur gears
- **No. of arrangements:** \((4+1) \times 2\)

---

**Manufacturer/Applicant:** Eicher Tractors (A Unit of TAFE Motors and Tractors Limited, Mandideep – 462046 (M.P))

**Document No. if any Revision status:**

**Testing Agency:** CFMT & TL Budni (M. P.)

**Signature:**

**Name:** Suresh Gopar
**Designation:** Chief Engineer
**Date:** 19/11/2013

**Make & Model:** Of Tractor: Eicher 548

**Signature:**

**Name:** C.V.Climote
**Designation:** Test Engineer
**Date:** 30/12/2013
3.6.1 No. of gears:
- Forward: 8
- Reverse: 2

3.6.2 Range of speeds, (km/h):
- Forward: 3.22 to 32.31 rated engine speed of 2150 rpm
- Reverse: 4.17 to 12.38 at rated engine speed of 2150 rpm

3.7 Steering:
Make: ZF
Type: Mechanical, worm & roller with single drop arm
Steering wheel dia., (mm): 460
Location of steering wheel: Above bell housing
Steered axle: Front
Minimum turning diameter, (m): 7.20

3.8 Wheel equipment & tyres:
3.8.1 Front:
Tyre size & ply rating: 6.00 X 16.8 PR
Track width range, (mm): 1330 (std) & 1530
Recommended tyre pressure for road work, kPa (kgf/cm²): 177 to 206 (1.80 to 2.10)
Optional tyre size & ply rating: N.A

3.8.2 Rear:
Tyre size & ply rating: 14.9 X 28, 12 PR
Track width range, (mm): 1380 (std) to 1770
Recommended tyre pressure for road work, kPa (kgf/cm²): 96 to 110 (0.98 to 1.12)
Optional tyre size & ply rating: N.A

3.9 Brakes:
3.9.1 Service brake:
Type (describe briefly): Mechanical, Oil immersed disc brake
Location: On differential half axle shafts
Method of operation: RHS foot operated for independent as well as combined operation.

3.9.2 Hand / Parking brake:

<table>
<thead>
<tr>
<th>Manufacturer/Applicant</th>
<th>Document No., if any</th>
<th>Testing Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eicher Tractors (A Unit of TAFE Motors and Tractors Limited), Mandideep – 462046 (M.P)</td>
<td></td>
<td>CFMT &amp; T1, Budni (M.P)</td>
</tr>
</tbody>
</table>

Signature: [Signature]
Name: Suresh Gopal
Designation: Chief Engineer
Date: 19/11/2013

Make & Model: Eicher 548

Signature: [Signature]
Name: C.V. Chimote
Designation: Test Engineer
Date: 30/12/2013
Type and brief description: Hand operated lever with spring loaded pawl & ratchet.
Location: RHS of operator seat
Method of operation: Hand operated

3.10 Electrical system of tractor:
System voltage, (V): 12
Terminal earthed: Yes

3.10.1 Battery:
Type: Lead acid
- Number(s): One
- Capacity and rating: 12V, 75 Ah at 20 hours discharge rate

3.10.2 Generator (Alternator/Dynamo):
Type: Alternator
Max. output, (W): 12Volts, 0.320 kW @ 5000rpm

3.10.3 Starter:
Type: Pre-engaging, solenoid operated
Max power input, (kW): 12V, 2.5 kW

3.10.4 Head Lights:
- Make: Hilux
- Numbers: Two
- Make & wattage of bulbs: Helonix & 12V, 60/55W
- Location: In front of Bonnet
- Colour: White

3.10.5 Parking Light(s):
Front:
- Make: Hilux
- Number(s): Two
- Make & wattage of bulbs: Osram & 12V, 5 W
- Location: On LHS and RHS of fender front side
- Colour: White

Rear:
- Make: Hilux
- Number(s): Two
- Make & wattage of bulbs: Osram & 12V, 21/5 W
- Location: On LHS and RHS of fender rear side
- Colour: Red

3.10.6 Turn indicator light(s):
Front:

Manufacturer/Applicant: Eicher Tractors (A Unit of TAFE Motors and Tractors Limited), Mandideep - 462046 (M.P)

Signature: 
Name: Suresh Gopal
Designation: Chief Engineer
Date: 19/11/2013

Document No., if any Revision status Testing Agency
Make & Model Signature
Of Tractor: Eicher 548

Name: C.V.Chimote
Designation: Test Engineer
Date: 30/12/2013
### Make
- Hilux

### Number(s)
- Two

### Make & wattage of bulbs
- Osram & 12V, 21W

### Location
- On LHS and RHS of fender front side
- Amber

### Colour
- Amber

### Rear:
- Hilux
- Two

### Make & wattage of bulbs
- Osram & 12V, 21 W

### Location
- On LHS and RHS of fender rear side
- Amber

### Colour
- Amber

### 3.10.7 Brake / stop light:
- Make
- Hilux
- Two

### Number(s)
- Osram & 12V, 21/5 W

### Make & wattage of bulbs
- On LHS and RHS of fender rear side
- Red

### Location
- Red

### Colour
- Red

### 3.10.8 Plow / work light:
- Make
- Not Provided
- - do -

### Number(s)
- - do -

### Make & wattage of bulbs
- - do -

### Location
- - do -

### Colour
- - do -

### 3.10.9 Reflector(s):
- Front:
- Shape
- N.A

### No.(s)
- - do -

### Location
- - do -

### Colour
- - do -

### Rear:
- Shape
- Rectangular

### No.(s)
- Two

### Location
- On LHS and RHS of fender rear side
- Red

### Colour
- Red

---

**Manufacturer/Applicant Eicher Tractors (A Unit of TAFE Motors and Tractors Limited), Mandideep - 462046 (M.P)**

<table>
<thead>
<tr>
<th>Signature</th>
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<td>Suresh Gopal</td>
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<td></td>
<td>CFMT &amp; TI Budni (M. P.)</td>
</tr>
</tbody>
</table>
3.11 Mass, (kg)
3.11.1 Unballasted : 770
3.11.2 Road ballasted : 820
3.11.3 Max permissible ballasted : 820

3.12 Max speed, (kmph) : 35.06

3.13 Max gradeability in degrees : 10.4°

3.14 Seat(s):
3.14.1 Operator's seat:
   - Make : Kalka steel
   - Type : Suspension type
   - Location : On ADDC

3.14.2 Additional seat(s), if any:
   - Number : N.A
   - Type : - do -
   - Location : - do -

3.15 Mirror:
   - Type : Exterior Rear View Mirror (Class II)
   - Location : On right side of fuel tank cover

3.16 Wheel Base (mm) : 2010

3.17 Overall Dimension in travel mode (mm):
   - Min. ground clearance : 370
   - Overall length : 3630
   - Overall width : 1790
   - Overall height : 2210
I, Suresh Gopal of M/s Eicher Tractors (A Unit of TAFE Motors & Tractors Ltd.) hereby declare that information given above in page no. 1 to 8 is as per design / drawings of the prototype / commercial model of tractor submitted for inspection / test and is complete and correct to the best of my knowledge and belief. I also understand that in case any information furnished above is found to be "not correct" or "incomplete", then among other actions, the certificate is liable to be cancelled. It is further declared that this machine has been 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 referred in Rule 126 of CMVR 1989.

Applicant / Manufacturer:
TAFE Motors & Tractors Limited
(A Unit of TAFE Motors & Tractors Ltd)
A wholly owned subsidiary of TAFE
Plot 1; Sector – D Industrial Area Mandideep
462046,
Diss Raisen (MP)

Signature of Authorized Signatory:

<table>
<thead>
<tr>
<th>Name</th>
<th>Suresh Gopal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designation</td>
<td>Chief Engineer - R&amp;D</td>
</tr>
<tr>
<td>Place</td>
<td>Mandideep</td>
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<td>Of Tractor: Eicher 548</td>
<td>Designation: Test Engineer</td>
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<tr>
<td>Designation: Chief Engineer</td>
<td></td>
<td>Date: 30/11/2013</td>
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Test Engineer
Govt. of India
Central Farm Machinery Training & Testing Institute, Budni - 466445

1. Whereas M/s. Eicher Tractors (A Unit of TAFE Motors and Tractors Ltd., A Wholly Owned subsidiary of TAFE), Plot No. 1, Sector D, Industrial Area, Mandideep 462 046 Dist. Raisen (M.P) has submitted an undertaking letter No. NIL dated 28.03.2015 along with the documents including test reports of components issued by M/s. ICAT Manesar, Gurgaon in respect of Eicher 480 TRACTOR.


<table>
<thead>
<tr>
<th>S. No.</th>
<th>Title</th>
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<tbody>
<tr>
<td>1)</td>
<td>Windscreen-wiper</td>
<td>104</td>
<td>(2B)</td>
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<td>2)</td>
<td>Deflection of lights</td>
<td>106</td>
<td>(1)</td>
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<tr>
<td>3)</td>
<td>Silencers</td>
<td>120</td>
<td>(3)</td>
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<td>4)</td>
<td>Embossment of chassis number and Engine number and month of manufacture</td>
<td>122</td>
<td>(1A)</td>
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<tr>
<td>5)</td>
<td>Safety standards of components for agricultural tractors</td>
<td>124A</td>
<td>(1), (3), (6) &amp; (13)</td>
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<td>6)</td>
<td>Trailer brake</td>
<td>96C</td>
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3. The list of changes in technical specifications, as submitted by the manufacturer is enclosed as Annexure-G [No. of page(s) - 1].


ii) Further, this extension certificate is issued on the basis of documents produced / submitted by the manufacturer. Breach of any statutory provision of Indian laws or laws of other countries, will be the sole responsibility of the manufacturer. Further Central Farm Machinery Training & Testing Institute, Budni (M.P) has the right to initiate cancellation/withdrawal of the certificate issued at any time in case of misrepresentation/alteration/fraud etc. comes to the knowledge of Institute.

(R. M. TIWARI)
Senior Agricultural Engineer
Head of Test Laboratory

(C. R. LOHI)
DIRECTOR
Head of the Testing Institute
(Authorized Signatory)