

प्रारंभिक व्यावसायिक परीक्षण रिपोर्ट  
INITIAL COMMERCIAL TEST REPORT

संख्या/No. : T-1720/2251/2023  
माह/Month : March, 2023

Application Reference No. 28/2022-23/44

(यह परीक्षण रिपोर्ट 31/03/2028 तक वैध है / THIS TEST REPORT IS VALID UPTO 31/03/2028)



**Make of Agricultural Tractor : INTERNATIONAL TRACTORS LIMITED**  
**Model : DI - 30 BAAGBAN HDM 4WD S1**  
**Manufactured by : International Tractors Limited.**  
**Vill. Chak Gujran, P.O. Piplanwala,**  
**Jalandhar Road,**  
**HOSHIARPUR- 146 022 (Punjab).**



**भारत सरकार**

**कृषि एवं किसान कल्याण मंत्रालय**  
(कृषि एवं किसान कल्याण विभाग)

**GOVERNMENT OF INDIA**

**MINISTRY OF AGRICULTURE AND FARMERS' WELFARE**

(DEPARTMENT OF AGRICULTURE & FARMERS' WELFARE)

**केन्द्रीय कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान**

**ट्रैक्टर नगर, बुदनी (म.प्र.) 466 445**

**CENTRAL FARM MACHINERY TRAINING & TESTING INSTITUTE**

**TRACTOR NAGAR, BUDNI (M.P.) 466 445**

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| T-1720/2251/2023 | INTERNATIONAL TRACTORS LIMITED,<br>DI - 30 BAAGBAN HDM 4WD S1 TRACTOR - INITIAL COMMERCIAL TEST |
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## IMPORTANT INFORMATION

The Government of India, Ministry of Agriculture and Farmers' Welfare has directed, vide a OM No. 13-17/2021-M&T(I&P) dated 28.07.2022, that since 15<sup>th</sup> August, 2022, only mandatory tests will be carried out on a tractor unless applicant has expressly requested for optional tests as well, mentioned in the above captioned OM.

In the instant case, there is no request from the applicant to carry out the optional tests hence only Mandatory Tests, as given below, have been conducted and reported in this report:-

1. PTO performance
2. Hydraulic performance
3. Drawbar performance
4. Brake performance

|              |                                   |            |
|--------------|-----------------------------------|------------|
| Month: March | Test Report No.: T-1720/2251/2023 | Year: 2023 |
|--------------|-----------------------------------|------------|



**GOVERNMENT OF INDIA**  
**CENTRAL FARM MACHINERY TRAINING & TESTING INSTITUTE**  
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|     |   |   |  |
|-----|---|---|--|
| [C] | Tractor manufacturer's name and address | : | International Tractors Limited.<br>Vill. Chak Gujran, P.O. Piplanwala,<br>Jalandhar Road,<br>HOSHIARPUR- 146 022 (Punjab).   |
| [C] | Submitted for test by (Applicant)       | : | The Manufacturer   |
| [C] | Selected for test by                    | : | The Ministry vide OM No. 13-17/2021 - M&T (I&P) dated 28.07.2022, has allowed the applicant to submit the test sample directly to the Institute without requiring any random selection for Initial Commercial Testing. Thus, the applicant directly submitted the test sample to the Institute for test. |
| [D] | Place of running-in                     | : | At manufacturer's works  |
| [D] | Duration of running-in, (h):            |   |  |
|     | -Engine                                 | : | 20   |
|     | -Transmission                           | : | 20   |
| [C] | Location of test                        | : | Government of India,<br>Central Farm Machinery Training and Testing Institute, P.O. - Tractor Nagar,<br>BUDNI - 466445 (M.P.), INDIA   |

## 1. SPECIFICATIONS OF TRACTOR

### 1.1 Identification:

#### 1.1.1 Denomination

|     |                             |   |   |
|-----|-----------------------------|---|---|
| [C] | Make of tractor             | : | International Tractors Limited                    |
| [C] | Model (trade name)          | : | DI - 30 Baagban HDM 4WD S1                        |
| [C] | Type                        | : | Four-Wheel Driven, Standard Agricultural Tractor. |
| [C] | Month & year of manufacture | : | 07/22   |
| [D] | Country of origin           | : | India   |

#### 1.1.2 Numbers:

|     |   |   |               |
|-----|---|---|---------------|
| [D] | 1 <sup>st</sup> Serial No. or prototype | : | BYHSJ1147875B |
| [C] | Serial No.                              | : | EYHSJ1196533B |

### 1.2 Engine:

|     |                        |   |  |
|-----|------------------------|---|--|
| [D] | Manufacturer's address | : | International Tractors Limited.<br>Vill. Chak Gujran, P.O. Piplanwala,<br>Jalandhar Road,<br>HOSHIARPUR- 146 022 (Punjab). |
| [C] | Make                   | : | International Tractors Limited   |
| [C] | Model                  | : | 2105DLU  |
| [C] | Type                   | : | Four stroke, naturally aspirated, liquid cooled, direct injection, diesel engine.  |
| [C] | Serial No.             | : | 2105DLU24B1146094F17   |

#### 1.2.1 Cylinders:

|     |                            |   |  |
|-----|----------------------------|---|--|
| [C] | Number/disposition         | : | Two, vertical, in-line                               |
| [D] | Bore / Stroke, (mm)        | : | 105 / 118  |
| [D] | Capacity, cm <sup>3</sup>  | : | 2044   |
| [D] | Compression ratio          | : | 18.5 (±0.2) : 1                                      |
| [D] | Arrangement of valves      | : | Overhead   |
| [D] | Cylinder liners            | : | Wet, replaceable                                     |
| [D] | Type of combustion chamber | : | Direct injection, re-entrant cavity on piston crown. |

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## 6. SUMMARY OF OBSERVATIONS, COMMENTS & RECOMMENDATIONS

**6.1** On the basis of test conducted the performance results have been summarized as evaluative (mandatory) / Non-evaluative (Non-mandatory) parameters applicable for Qualifying Minimum Performance criteria as per Clause-4 (Table-1) of **IS: 12207-2022** for acceptance of the tractor for the purpose of subsidies/NABARD financing are summarized as under:

| Sl. No.   | Characteristic  | Category (Evaluative / Non Evaluative) | Requirements as per IS: 12207-2022   | Values declared by the applicant/ (D) Requirement (R) | As observed | Whether meets the requirements (Yes/No) |
|---|---|--|--|---|-------------|---|
| 1   | 2   | 3                                      | 4  | 5   | 6           | 7                                       |
| <b>MANDATORY TESTS: (As per Ministry's Office Memorandum No. 13-17/2021-M&amp;T (I&amp;P) dated 28<sup>th</sup> of July, 2022).</b> |   |  |  |   |             |   |
| <b>6.1.1</b>  | <b>PTO Performance:</b>   |  |  |   |             |   |
| <b>a)</b>   | Maximum power under 2 h test, (kW) (Natural ambient condition)    | Evaluative                             | Declared value to be achieved with a tolerance of: $\pm 5\%$ for PTO power and or engine power $>26$ kW. $\pm 10\%$ for PTO power and or engine $\leq 26$ kW.  | 19.0 (D)  | 19.3        | Yes                                     |
| <b>b)</b>   | Power at rated engine speed, (kW)                                 | Non Evaluative                         | -do-   | 19.0 (D)  | 19.3        | Yes                                     |
| <b>c)</b>   | Specific fuel consumption corresponding to maximum power, (g/kWh) | Evaluative                             | + 10% max.   | 285 (D)   | 269         | Yes                                     |
| <b>d)</b>   | Maximum equivalent crankshaft torque, (Nm)                        | Non Evaluative                         | $\pm 8\%$  | 118 (D)   | 121.7       | Yes                                     |
| <b>e)</b>   | Back-up torque, percent   | Evaluative                             | 12% min.   | 12 (D)<br>12 (R)                                      | 18.7        | Yes                                     |
| <b>f)</b>   | Maximum operating temperature, ( $^{\circ}$ C):                   |  |  |   |             |   |
|   | 1) Engine oil   | Evaluative                             | The declared value should not exceed the max. value specified by the oil company and the observed value under natural ambient/high ambient condition should not exceed the declaration.                                    | 132 (D)   | 102         | Yes                                     |
|   | 2) Coolant  | Evaluative                             | Observed value should not exceed the declared value or boiling point of the coolant at radiator cap pressure whichever is lower. The boiling point of the coolant at radiator pressure shall be provided by the applicant. | 123 (D)   | 103         | Yes                                     |
| <b>g)</b>   | Engine oil consumption, (g/kWh)                                   | Evaluative                             | Not exceeding 1% of SFC at max. Power under natural ambient conditions.  | 2.69 (R) Maximum                                      | 0.77        | Yes                                     |
| <b>h)</b>   | Smoke level, $m^{-1}$   | Evaluative                             | Maximum light absorption coefficient of 3.25 per meter or equivalent BOSCH No. 5.2 or 75 Hatridge value ( <b>As per CMVR</b> ).  | 3.25 per meter (R) Maximum                            | 0.16        | Yes                                     |

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| 1            | 2  | 3                       | 4  | 5  | 6                               | 7              |     |
|--------------|--|-------------------------|--|--|---------------------------------|----------------|-----|
| <b>6.1.2</b> | <b>Drawbar performance:</b>  |                         |  |  |                                 |                |     |
| <b>a)</b>    | Max. drawbar pull with ballast corresponding to 15 percent wheel slip, (kN)  | Non Evaluative          | Minimum 70% of static mass of tractor with ballast.  | Not recommended  | Not applicable                  | Not applicable |     |
| <b>b)</b>    | Max. drawbar pull without ballasted corresponding to 15 percent wheel slip, (kN)   | Evaluative              | Minimum 65% of static mass of tractor without ballast or with standard ballast, as the case may be.  | 10.10 (D)<br>9.18 (R)<br>Minimum   | 12.02                           | Yes            |     |
| <b>c)</b>    | Maximum drawbar power without ballast/ with standard ballast, (kW).  | Evaluative              | Minimum 80 % of PTO power as referred in SI No. i) a) of PTO performance in case of tractors having total static mass > 1500 kg<br>Minimum 75 % of PTO power as referred in SI No. i) a) of PTO performance in case of light weight tractors having ≤1500 kg total static mass of tractor<br>Minimum 75 % of the engine power as referred in SI No. i) a) of engine performance in case of tractors which do not have a PTO shaft. | 15.2 (D)<br>14.5 (R)<br>Minimum  | 15.3                            | Yes            |     |
| <b>d)</b>    | Maximum transmission oil temperature, (°C)   | Evaluative              | The declared value should not exceed the maximum value specified by oil company.   | 130 (D)  | 81                              | Yes            |     |
| <b>6.1.3</b> | <b>Power lift and hydraulic pump performance:</b>  |                         |  |  |                                 |                |     |
| <b>a)</b>    | Maximum lifting capacity throughout the range of lift, (kN):   |                         |  |  |                                 |                |     |
|              | 1)   | At hitch points         | Evaluative   | Should not be less than 90% of declared value.   | 11.0 (D)<br>9.90 (R)<br>Minimum | 13.73          | Yes |
|              | 2)   | With the standard frame | Evaluative   | The lift capacity should at least be 24 kg/PTO kW and it should be 21.5 kg/engine kW where the tractor is not provided with a PTO shaft. | 6.5 (D)<br>4.54 (R)<br>Minimum  | 10.73          | Yes |
| <b>b)</b>    | Maximum drop in the height of the point of application of the force after each 5 minutes interval for a total duration of 30 Minutes, (mm) |                         | Non Evaluative   | The observed value should not exceed 50 mm.  | 50 (D)<br>Maximum               | 12             | Yes |
| <b>6.1.4</b> | <b>Brake performance at 25 kmph:</b>   |                         |  |  |                                 |                |     |
| <b>a)</b>    | Maximum stopping distance at a force, equal to or less than 600 N on brake pedal with road ballast, (m):                                   |                         |  |  |                                 |                |     |
|              | 1)   | Cold brake              | Evaluative   | 10   | 10 (R)                          | 6.87           | Yes |
|              | 2)   | Hot brake               | Evaluative   | 10   | 10 (R)                          | 6.98           | Yes |
| <b>b)</b>    | Whether parking brake is effective at a force of 600 N at foot pedal (s) or 400 N at hand lever  |                         | Evaluative   | Yes / No   | Yes                             | Yes            | Yes |

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|              |  |                |   |  |                |                                |     |
|--------------|--|----------------|---|--|----------------|--------------------------------|-----|
| <b>6.1.5</b> | <b>OPTIONAL TESTS:</b><br><b>As the applicant has not applied for any optional tests, therefore no optional tests was conducted.</b> |                |   |  |                |                                |     |
| <b>6.1.6</b> | <b>Safety features :</b>   |                |   |  |                |                                |     |
| <b>a)</b>    | Guards against moving and hot parts  | Evaluative     | Belt drives, pulleys, silencer, hydraulic pipes [As per IS 12239 (Part 2)]  | Meets the requirement  | Yes            |                                |     |
| <b>b)</b>    | Lighting arrangement   | Evaluative     | As per CMVR   | Meets the requirement  | Yes            |                                |     |
| <b>c)</b>    | Seating requirements (Tractors having more than 1150 mm rear track width)  | Non Evaluative | Should meet the requirements of IS: 12343 (As amended from time to time)  | <b>Not applicable</b> (Tractors rear track width is less than 1150 mm) | --             |                                |     |
| <b>d)</b>    | Technical requirements for PTO shaft   | Non Evaluative | Should meet the requirements of IS: 4931 (As amended from time to time)   | Meets the requirement  | Yes            |                                |     |
| <b>e)</b>    | Dimensions of three point linkage  | Non Evaluative | Should meet the requirements of IS: 4468 (Part-2) (As amended from time to time)  | <b>Does not meet the requirement</b>                                   | <b>No</b>      |                                |     |
| <b>f)</b>    | Specifications of linkage drawbar  | Non Evaluative | Should meet the requirements of IS: 12953 (As amended from time to time)  | Meets the requirement  | Yes            |                                |     |
| <b>g)</b>    | Specifications of swinging drawbar (wherever fitted)   | Non Evaluative | Should meet the requirement of IS: 12362 (Part 3) (As amended from time to time)  | Not provided   | Not applicable |                                |     |
| <b>h)</b>    | Audible warning signal on tractor  | Evaluative     | If tractor travel speed in reverse gear exceeds 20 kmph, an audible warning signal on tractor shall get activated.<br><br>A sticker to the effect that "operating the tractor beyond 20 kmph speed in reverse gear is not safe" should be prominently displayed.  | Not fitted   | Not applicable |                                |     |
| <b>6.1.7</b> | <b>Labelling of tractors (Provision of labelling plate):</b>   |                |   |  |                |                                |     |
|              | 1) Make  | Evaluative     | Should conform to the requirements of CMVR along with maximum PTO Power in kW, specific fuel consumption (SFC) corresponding to maximum power in g/kWh and year of manufacture in numerical form.<br><table border="1" style="margin: 5px auto;"><tr><td>MM</td><td>YY</td></tr></table><br>Digit 01 – 12 in box No.1 for MM will represent the months and next two digits in box No.2 for YY will represent the year of Manufacturing. | MM   | YY             | INTERNATIONAL TRACTORS LIMITED | Yes |
| MM           | YY   |                |   |  |                |                                |     |
|              | 2) Model   | Evaluative     |   | DI - 30 BAAGBAN HDM 4WD S1   | Yes            |                                |     |
|              | 3) Month & Year of manufacture   | Evaluative     |   | 07/22  | Yes            |                                |     |
|              | 4) Engine number   | Evaluative     |   | 2105DLU24B114<br>6094F17   | Yes            |                                |     |
|              | 5) Chassis number  | Evaluative     |   | EYHSJ1196533B  | Yes            |                                |     |
|              | 6) Maximum PTO power, (kW)   | Evaluative     |   | 19.0   | Yes            |                                |     |
|              | 7) Specific fuel consumption, g/kWh  | Evaluative     | 285   | Yes  |                |                                |     |

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|---------------|---|----------------------|---|---|----------|----------------|
| <b>6.1.8</b>  | <b>Literature (Submission to test agency):</b>            |                      |   |   |          |                |
| (a)           | Operator manual   | Evaluative           | Provided /<br>Not Provided  | Provided  | Provided | Yes            |
| (b)           | Parts Catalogue   | Evaluative           | Provided /<br>Not Provided  | Provided  | Provided | Yes            |
| (c)           | Workshop/<br>Service manual                               | Evaluative           | Provided /<br>Not Provided  | Provided  | Provided | Yes            |
| <b>6.1.9</b>  | <b>Fitment of Roll Over Protective Structures (ROPS):</b> |                      |   |   |          |                |
|               | For tractor having more than 1150 mm rear track width     | Evaluative if fitted | ROPS should meet the requirement of IS:1182 or OECD code or equivalent International Standard | <b>Not fitted</b><br>(Tractors rear track width is less than 1150 mm) |          | Not applicable |
| <b>6.1.10</b> | Standard Accessories                                      | Evaluative           | Trailer hitch, front tow hook, linkage drawbar should be provided with tractor                | Provided  |          | Yes            |
| <b>6.1.11</b> | Accessories (optional)                                    | Non Evaluative       | Ballast weight, if fitted, should meet the requirement of CMVR                                | Not fitted  |          | Not applicable |

| <b>6.2</b> | <b>CATEGORY OF BREAKDOWNS / DEFECTS ( As per clause 5.0 of IS:12207-2022):</b> |  |   |             |   |
|------------|--|--|---|-------------|---|
| S. No.     | Category of breakdowns   | Category (Evaluative / Non Evaluative) | Requirements as per IS: 12207-2022  | As observed | Whether meets the Requirements (Yes/No) |
| 1.         | Critical   | Evaluative                             | No critical breakdown.  | None        | Yes                                     |
| 2.         | Major  | Evaluative                             | Not more than two and neither of them should be repetitive in nature.   | None        | Yes                                     |
| 3.         | Minor  | Evaluative                             | Not more than five and neither of them should be repetitive in nature.  | None        | Yes                                     |
| 4.         | Total breakdowns   | Evaluative                             | In no case, the total number of breakdowns should exceed five, that is, (2 major + 3 minor) or (1 major + 4 minor) or 5 minor breakdowns. | None        | Yes                                     |

**6.3 Conformity with following IS:**

- i) Guidelines for declaration of power and specific fuel consumption and labeling of agricultural tractors (First revision) [IS:10273 -1987 (Reaffirmed Year 2019)] : **Conforms**
- ii) Agricultural tractors - Rear mounted power take-off - Types 1, 2 and 3 (third revision) [IS:4931-1995 (Reaffirmed Year 2019)] : **Conforms**
- iii) Agricultural wheeled tractors – Rear mounted three-point linkage: Part 2 Categories 1, 2, 3 & 4 (fourth revision) [IS:4468 (Part-2) – 1993 (Reaffirmed in Jan., 2019)] : **Does not conform**
- iv) Drawbar for agricultural tractors – Link type [IS 12953:1990 (Reaffirmed Year 2022)] : **Conforms**
- v) Agricultural tractors- Operator's seat technical requirement [IS12343 - 2021] : **Not applicable**  
(Tractors rear track width is less than 1150 mm)
- vi) Guide for safety & comfort of operator of agricultural tractors:Part 1 General requirements (first revision):[IS 12239 (Part 1) - 2018] : **Does not conform**
- vii) Tractors and machinery for agriculture and forestry – Technical means for ensuring safety Part 2: Tractors (first revision) (IS 12239 (Part 2) 1999) (Reaffirmed Year 2019)] : **Does not conform**

- viii) Guide lines for location and operation of operator controls on agricultural tractors and machinery [IS: 8133 - 2021] : **Does not conform**
- ix) Tractors and machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays Part2 Symbols for agricultural tractors and machinery [IS: 6283(Part-1) - 2006 (Reaffirmed Year 2019) and IS: 6283 (Part-2) – 2007 (Reaffirmed Year 2019)] : **Does not conform**
- x) Agricultural Tractors and Machinery-Lighting device for travel on public roads (IS:14683-1999) (Reaffirmed Year 2019)] : **Conforms**

**6.4 Salient Observations:**

**6.4.1 Laboratory tests:**

**6.4.1.1 Drawbar performance test:**

During 1<sup>st</sup> five hour drawbar test in L3 gear, the average fuel consumption was observed as **5.23 l/h in L3 gear** (pull maintained during test was 8.88 kN) and this **fuel consumption is more** when compared with the fuel consumption of **4.84 l/h in L3 gear** (pull maintained during test was 11.82 kN) observed during the maximum power test. This should be looked into for necessary corrective action.

Similarly, the average fuel consumption during the 2<sup>nd</sup> five hour test was observed as **4.37 l/h in L2 gear** (pull maintained during test was 11.77 kN) and this **fuel consumption is more** when compared with the fuel consumption of **3.59 l/h in L2 gear** (pull maintained during test was 11.75 kN) observed during the maximum power test. This should be looked into for necessary corrective action.

**6.4.1.2 Operator's work place:**

The following parameters does not meet the requirement of IS: 12239 (Part-I) 2018.

- i) Vertical retainer on inner side of clutch pedal was not provided.
- ii) Width of foot step has been measured 160 mm against the requirement of 200 mm.
- iii) Spark arresting device has not been provided in the exhaust system.

Therefore, all of the above should be looked into for necessary corrective action.

**6.4.1.3 Three point linkage:**

The dimension viz. width of ball of lower hitch points, lateral distance from lower hitch point to centre line of tractor & distance from end of power take-off to centre of lower hitch point (lower links in horizontal position) does not meet the requirements of IS:4468 (Part-2) – 1993. This should be looked into for corrective action.

**6.4.1.4 PTO master shield:**

PTO master shield has not been provided on tractor. This should be looked into for necessary corrective action.

**6.5 Specification of Tractor:**

Discrepancies in the specification between the Specification sheet and Operator's manual are as under:

| S. No. | Description         | As per Specification Sheet                               | As per Operator's manual                                 |
|--------|---------------------|--|--|
| a)     | Coolant water ratio | % mixture of coolant : water = 70 : 30 (in diluted form) | % mixture of coolant : water = 50 : 50 (in diluted form) |

**6.6 Maintenance / Service Problems:**

No noticeable maintenance or service problem was observed during the test.



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**6.7 Recommendation with regard to safety on tractor:**

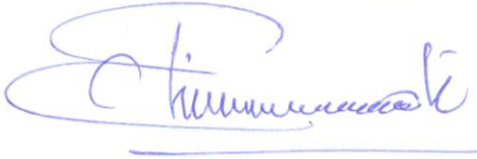

- i) Identification of transmission control, engine speed control, PTO engaging lever & parking brake by colour has not been provided as per the requirement as laid down in Table - 5 of IS: 8133-2021.
  - ii) Colour code for engine revolution gauge & hazard warning display should be provided as per IS: 6283 Part – 2 2017
  - iii) The working clearance between position control and draft control lever, ignition key and range selection gear lever when engaged in low gear was measured 50 mm and 20 mm respectively against the minimum requirement of 70 mm.
  - iv) Fuel shutoff knob does not remain in stop position as per the requirement of IS: 8133-2021.
  - v) Distance between engine start & stop control was measured 190 mm against the maximum requirement of 150 mm.
  - vi) The hand accelerator lever, when moved away from the operator (i.e. forward) decreases the engine speed, which does not meet the requirement as laid down in Table - 1 of IS: 8133-2021.
  - viii) Symbols for operation of rockshaft.
  - ix) Provision of safety against accidental start of engine
- Above parameters should be looked into for necessary corrective action.

**6.8 Adequacy of Literature supplied with machine:**

- 6.8.1** The following literatures were supplied with the test tractor for reference during the test: -
- a) Operator's Manual for "International Tractors Ltd., DI-30 Baagban HDM 4WD S1" tractor model.
  - b) Parts catalogue for "International Tractors Ltd., DI-30 Baagban HDM 4WD S1" tractor model.
  - c) Service manual Part-I & II for "International Tractors Ltd., DI-30 Baagban HDM 4WD S1" tractor model.
- 6.8.2** The operator manual may be brought out for the guidance of users and service personnel as per IS: 8132-1999 incorporating, inter alia, the following:
- i) Engine to PTO speed ratio.
  - ii) Hydraulic lifting capacity.
  - iii) Clearly mention in bold letter that tractor is not applicable for puddling (wet land) operation in operators manual.

**TEST CARRIED OUT AT C.F.M.T. & T.I., BUDNI (M.P.), INDIA**

**TESTING AUTHORITY**

|   |  |
|---|--|
| <p><b>C. V. CHIMOTE</b><br/>TEST ENGINEER</p>   |  |
| <p><b>A. K. UPADHYAY</b><br/>DIRECTOR (I/C)</p> |  |

Draft Test Report compiled by **Vithato Keyho**, Senior Technical Assistant.

|                  |   |
|------------------|---|
| T-1720/2251/2023 | <b>INTERNATIONAL TRACTORS LIMITED,<br/>DI - 30 BAAGBAN HDM 4WD S1 TRACTOR - INITIAL COMMERCIAL TEST</b> |
|                  | <b>THIS TEST REPORT IS VALID UPTO: 31/03/2028</b>   |

#### 7. APPLICANT'S COMMENTS

| Para No. | Our reference | Applicant's comments  |
|----------|---------------|---|
| 7.1      | 6.4.1.1       | Difference in "fuel consumption" during "gear performance" & "average fuel consumption" during 10 hr test at L3 & L2 gear is only 0.39 l/h & 0.78 l/h respectively. However, observation will be reviewed & necessary action will be taken wherever required. |
| 7.2      | 6.5 & 6.8.2   | Product literature will be reviewed & necessary correction will be done accordingly.  |

#### ANNEXURE-I

#### TRACTOR RUN HOURS DURING TEST

| A.            | LABORATORY AND TRACK TESTS:   | HOURS  |
|---------------|---|--|
| 1.            | Running-in  | Applicant has declared it to be conducted on their work place. |
| 2.            | PTO performance test  | 11.7   |
| 3.            | Power lift and hydraulic pump performance test  | 0.8  |
| 4.            | Drawbar performance test  | 12.9   |
| 5.            | Brake performance test  | 1.0  |
| 6.            | Nominal speed test  | 1.1  |
| <b>B.</b>     | Miscellaneous test and other run hours including idle run, transportation, trials and preparation for test. | 6.4  |
| <b>TOTAL:</b> |   | <b>33.9</b>  |