

Application Reference No. 28/2023-24/52

(यह परीक्षण रिपोर्ट 31/03/2029 तक वैध है / THIS TEST REPORT IS VALID UPTO 31/03/2029)



**Make of Agricultural Tractor**  
**Model**  
**Manufactured by**

**: JOHN DEERE**  
**: 5050D V15**  
**: M/s. John Deere India Pvt. Ltd.**  
**Gat No.166 - 167 & 271 - 291,**  
**Off. Pune - Nagar Road, Sanaswadi,**  
**Taluka - Shirur, Pune - 412 208**



**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**

**(An ISO 9001: 2015 Certified Institute)**

|                  |  |
|------------------|--|
| T-1832/2363/2024 | JOHN DEERE, 5050D V15 TRACTOR- INITIAL COMMERCIAL TEST |
|                  | THIS TEST REPORT IS VALID UPTO: 31/03/2029             |

### 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-1832/2363/2024 | Year: 2024 |
|--------------|-----------------------------------|------------|



GOVERNMENT OF INDIA  
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|---|--------------|

- [C] Tractor manufacturer's name and address : **M/s. John Deere India Pvt. Ltd.**  
Gat No.166 - 167 & 271 - 291,  
Off. Pune-Nagar Road, Sanaswadi,  
Pune - 412 208
- [D] Location of tractor assembly : **(i) M/s. John Deere India Pvt. Ltd.**  
Gat No.166 - 167 & 271 - 291,  
Off. Pune-Nagar Road, Sanaswadi,  
Pune - 412 208  
**(ii) M/s. John Deere India Pvt. Ltd.**  
Survey No.501, Village-Khatamba  
Jamgod, Dewas Bhopal Highway, Dewas  
(Madhya Pradesh) - 455115
- [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,  
Central Farm Machinery Training and Testing  
Institute, P.O. - Tractor Nagar,  
BUDNI – 466445 (M.P.), INDIA

## 1. SPECIFICATIONS OF TRACTOR

### 1.1 Identification:

#### 1.1.1 Denomination

- [C] Make of tractor : JOHN DEERE  
[C] Model : 5050D V15  
[C] Type : Rear wheel driven, Standard Agricultural  
Tractor.
- [C] Month & year of manufacture : 11/23  
[D] Country of origin : India

#### 1.1.2 Numbers:

- [D] 1<sup>st</sup> Serial No. or prototype : 1PY5050DCPF051947  
[C] Serial No. : 1PY5050DKPA055355

### 1.2 Engine:

- [D] Manufacturer's address : **(i) M/s. John Deere India Pvt. Ltd.**  
Gat No.166 - 167 & 271 - 291,  
Off. Pune-Nagar Road, Sanaswadi  
Taluka – Shirur, Pune - 412 208  
**(ii) M/s. John Deere India Pvt. Ltd.**  
Survey No.501, Village-Khatamba  
Jamgod, Dewas Bhopal Highway,  
Dewas (Madhya Pradesh) - 455 115.
- [C] Make : John Deere India Pvt. Ltd.  
[C] Model : 3029DPY106  
[C] Type : Four stroke, liquid cooled, natural aspiration,  
direct injection, diesel engine  
[C] Serial No. : PY3029D773428

### 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:

| S. 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 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 $>26 \text{ kW} \pm 10\%$ for PTO power and or engine $\leq 26 \text{ kW}$ . | 30.3 (D)  | 30.5        | Yes                                     |     |
| <b>b)</b>   | Power at rated engine speed, (kW)                                 | Non Evaluative                         | -do-  | 30.0 (D)  | 30.5        | Yes                                     |     |
| <b>c)</b>   | Specific fuel consumption corresponding to maximum power, (g/kWh) | Evaluative                             | Should not be more than 10% of declared value.  | 270 (D)   | 277         | Yes                                     |     |
| <b>d)</b>   | Maximum equivalent crankshaft torque, (Nm)                        | Non Evaluative                         | $\pm 8\%$   | 186 (D)   | 166.9       | <b>No</b>                               |     |
| <b>e)</b>   | Back-up torque, percent   | Evaluative                             | Should be min. 12%  | 12 (D)<br>12 (R)  | 20.6        | Yes                                     |     |
| <b>f)</b>   | Maximum operating temperature, ( $^{\circ}\text{C}$ ):            |  |   |   |             |   |     |
|   | 1)  | Engine oil                             | Evaluative  | The declared value should not exceed the max. value specified by the oil company and the observed value under high ambient condition should not exceed the declaration.                           | 135 (D)     | 112                                     | Yes |
|   | 2)  | Coolant                                | Evaluative  | The declared value should not exceed the boiling temperature of coolant under the pressurized or otherwise and the observed value under high ambient condition should not exceed the declaration. | 120 (D)     | 108                                     | Yes |
| <b>g)</b>   | Engine oil consumption, (g/kWh)                                   | Evaluative                             | Not exceeding 1% of SFC at max. Power under natural ambient conditions.   | 2.77 Maximum (R)  | 0.14        | Yes                                     |     |
| <b>h)</b>   | Smoke level, $\text{m}^{-1}$                                      | 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 Maximum (R)  | 0.28        | Yes                                     |     |

|                  |   |  |  |  |  |  |
|------------------|---|--|--|--|--|--|
| T-1832/2363/2024 | <b>JOHN DEERE, 5050D V15 TRACTOR- INITIAL COMMERCIAL TEST</b> |  |  |  |  |  |
|                  | <b>THIS TEST REPORT IS VALID UPTO: 31/03/2029</b>             |  |  |  |  |  |

| 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.  | 18.9                             | *     | *   |
| <b>b)</b>   | Max. drawbar pull without ballast corresponding to 15 percent wheel slip, (kN)   | Evaluative     | In case of tractors having total static mass $\geq$ 1500 kg, Min 70% of static mass of tractor without ballast or with standard ballast, as the case may be.<br>In case of light weight tractors having $\leq$ 1500 kg total static mass of tractor, Min. 65% of static mass of tractor without ballast or with standard ballast, as the case may be.  | 12.8 (D)<br>12.77 (R)<br>Minimum | 15.45 | Yes |
| <b>c)</b>   | Maximum drawbar power without 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 Minimum 75 % of PTO power as referred in SI No. i) a) of PTO performance in case of light weight tractors having $\leq$ 1500 kg total static mass of tractor 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. | 24.24 (D)<br>24.4 (R)<br>Minimum | 26.9  | Yes |
| <b>d)</b>   | Maximum transmission oil temperature, ( $^{\circ}$ C)  | Evaluative     | The declared value should not exceed the maximum value specified by oil company  | 110 (D)                          | 88    | Yes |
| Remark (*): Applicant vide letter no. Nil dated 06.11.2023 has requested to conduct the testing as per the additional guideline for testing of tractors vide OM No. 13-32/2023-M&T (I&P) (FTS-125476) dated 16.05.2023. Accordingly, drawbar performance test under unballasted condition was conducted only. |  |                |  |                                  |       |     |
| <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.   | 13.7 (D)<br>12.33 (R)<br>Minimum | 14.60 | 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.   | 12.2 (D)<br>7.17 (R)<br>Minimum  | 12.23 | 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                | 00    | Yes |

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| 1            | 2  | 3              | 4   | 5                                    | 6              | 7              |
|--------------|--|----------------|---|--------------------------------------|----------------|----------------|
| <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 without ballast, (m):                         |                |   |                                      |                |                |
|              | 1) Cold brake  | Evaluative     | 10  | 10 (R)                               | 8.06           | Yes            |
|              | 2) Hot brake   | Evaluative     | 10  | 10 (R)                               | 8.32           | 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            |
| <b>6.1.5</b> | <b>OPTIONAL TESTS:<br/>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 (Part2)]   | Meets the requirement                | Yes            | Yes            |
| <b>b)</b>    | Lighting arrangement   | Evaluative     | As per CMVR   | Conforms                             | Yes            | 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>Does not meet the requirement</b> | <b>No</b>      | <b>No</b>      |
| <b>d)</b>    | Technical requirements for PTO shaft   | Non Evaluative | Should meet the requirements of IS: 4931 (As amended from time to time)   | Conforms                             | Yes            | Yes            |
| <b>e)</b>    | Dimensions of three point linkage  | Non Evaluative | Should meet the requirements of IS: 17231-2019 (Part-I) (As amended from time to time)  | <b>Does not meet the requirement</b> | <b>No</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            | Yes            |
| <b>g)</b>    | 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 | Not applicable |
| <b>h)</b>    | 1) Maximum travelling speed at rated engine speed in reverse gears, kmph   | Evaluative     | Should not exceed 20 kmph   | 14.2 kmph (Meets the requirement)    | Yes            | Yes            |
|              | 2) Audible warning signal on tractor   | Evaluative     | As soon as the travelling speed in reverse gear reaches to 20 kmph, an audible warning signal on tractor shall be activated. The safety aspects about the operation of shuttle technology shall be brought in operation and manufacturer /dealer shall ensure the training on this aspect to operator before the delivery of tractor. | Not fitted                           | Not applicable | Not applicable |

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| 1             | 2  | 3                      | 4   | 5               | 6            | 7              |
|---------------|--|------------------------|---|-----------------|--------------|----------------|
| <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 and year of manufacture in numerical form.<br><br>MM    YY<br><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. |                 | JOHN DEERE   | Yes            |
| 2)            | Model  | Evaluative             |   | 5050D V15       | Yes          |                |
| 3)            | Month & Year of manufacture                                  | Evaluative             |   | 11/23           | Yes          |                |
| 4)            | Engine number  | Evaluative             |   | PY3029D773428   | Yes          |                |
| 5)            | Chassis number   | Evaluative             |   | 1PY5050DKPA0553 | Yes          |                |
| 6)            | Maximum PTO power, (kW)                                      | Evaluative             |   | 55              | 30.3         | Yes            |
| 7)            | Specific fuel consumption ,g/kWh                             | Evaluative             |   |                 | 270          | Yes            |
| <b>6.1.8</b>  | <b>Literature (Submission to test agency):</b>               |                        |   |                 |              |                |
| <b>(a)</b>    | Operator manual  | Evaluative             | Provided / Not Provided   | Provided        | Provided     | Yes            |
| <b>(b)</b>    | Parts Catalogue  | Evaluative             | Provided / Not Provided   | Provided        | Provided     | Yes            |
| <b>(c)</b>    | Workshop/ Service manual                                     | Evaluative             | Provided / 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   |                 | Not Provided | 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 CATEGORY OF BREAKDOWNS / DEFECTS ( As per clause 5.0 of IS:12207-2022):</b> |                         |  |   |             |   |
|--|-------------------------|--|---|-------------|---|
| S. No.   | Category of break-downs | 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 frequency of each should not be more than two.   | 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 1 Categories 1, 2, 3 & 4 (fourth revision) [IS:17231 – 2019] : **Does not conform**

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- iv) Drawbar for agricultural tractors – Link type [IS 12953:1990 (Reaffirmed Year 2022)] : Conforms
- v) Agricultural tractors- Operator’s seat technical requirement [IS12343 - 2021] : **Does not conform**
- 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)] : Conforms
- 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 Part -2 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 PTO performance test**

During PTO performance test, maximum equivalent crack shaft torque was observed as 166.9 Nm against the minimum requirement of 171.1 Nm which does not meet the non-evaluative requirement of IS: 12207-2022.

**6.4.2 Operator’s seat:**

The following parameters do not meet the requirement of IS: 12343-2021.

- i) Provision for width of seat has been observed as 435 mm against the requirement of 450 (minimum).
- ii) Provision for adjustment of driver’s mass has been specified as 50 to 120 kg against the requirement of 40 to 100 kg.
- iii) Longitudinal distance of SIP from centre of differential lock pedal has been measured as 220 mm against the requirement of 410 to 720 mm.
- iv) Vertical distance of SIP from foot rest has been measured as 585 mm against the requirement of 450 to 520 mm.

This should be looked into for necessary corrective action.

**6.4.3 Operator’s work place:**

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

- i) Provision of spark arrester.  
This should be looked into for necessary corrective action.

**6.4.4 Three-point linkage:**

The dimensions viz. diameter of upper & lower hitch pin hole, width of ball of upper hitch and leveling adjustment does not meet the requirements of IS: 17231-2019. This should be looked into for corrective action.

**6.4.5 Specification of Tractor:**

- i) Discrepancies in the specification between the Specification sheet and operator’s manual are as under:

| S. No. | Description  | As per the specification sheet  | As per the operator’s manual   |
|--------|--|---|--|
| a.     | Change of Gear box, differential, rear axle, rear final drive, Hydraulic system, steering & service brakes | 1 <sup>st</sup> change after 1000 hrs and subsequently change after 1500 hrs. | 1 <sup>st</sup> change after 1100 hrs and subsequently change after 1500 hrs |

**6.5 Maintenance / Service Problems:**

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





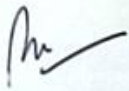
- 6.6 **Recommendation with regard to safety on tractor:**
- i) Colour codes of engine oil pressure, engine revolution gauge, fuel level and water temperature has not been provided as per the requirement as laid down in IS: 6283 (Part 2): 2007 (Reaffirmed year 2019).
  - ii) The distance of engine stop control from start control has been measured as 300 mm against the requirement of 150 mm (maximum), which does not meet the requirement as laid down in Table – 1 of IS: 8133-2021.
  - iii) The working clearance between position control lever & RHS mudguard has been measured as 45 mm against the minimum requirement of 70 mm.
- Above parameters should be looked into for necessary corrective action.

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

- 6.7.1 The following literatures were supplied with the test tractor for reference during the test -
- a) Operator's Manual for John Deere 5036D, 5038D, 5039D, 5039D V3, 5039D V4, 5042D, 5045D, 5050D, 5050 V1, 5050D V8, 5050D V10, 5050D V14, 5050D V15, 5050D 4WD V1, 5050D 4WD V14, 5050 4WD V15, 5105, 5105 V3, 5105 V4, 5205, and 5005 Tractors (India Edition)
  - b) Technical Manual for John Deere 5036D, 5038D, 5039D, 5039D V3, 5039D V4, 5042D, 5045D, 5050D, 5050 V1, 5050D V8, 5050D V10, 5050D V14, 5050D V15, 5050D V1 4WD, 5050D 4WD V14, 5050 4WD V15, 5105, 5105 V3, 5105 V4, 5205, and 5005 tractor models.
  - c) Parts Catalogue Part-1 & Part-2 for John Deere 5050D V15 tractor model.

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

**TESTING AUTHORITY**

|   |   |
|---|---|
| <b>B.N. DIXIT</b><br>AGRICULTURAL ENGINEER            |   |
| <b>R.P. PANDEY</b><br>SENIOR INSTRUMENTATION ENGINEER |  |
| <b>A. K. UPADHYAY</b><br>DIRECTOR (I/C)               |   |

Draft Test Report compiled by **Poonam Khurasia**, Senior Technical Assistant.

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**7. APPLICANT'S COMMENTS**

| <b>Para no</b> | <b>Our reference</b> | <b>Applicant's comments</b>   |
|----------------|----------------------|---|
| 7.1            | 6.4.1 & 6.4.5        | Your valuable comments and suggestions for improvements are well taken. Under our policy of continuous product improvement these aspects are further being investigated and will try to eliminate these deviations soon wherever necessary. |

**ANNEXURE-I**

**TRACTOR RUN HOURS DURING TEST**

| <b>A.</b>     | <b>LABORATORY AND TRACK TESTS:</b>  | <b>HOURS</b>   |
|---------------|---|--|
| 1.            | Running-in  | Applicant has declared it to be conducted on their work place. |
| 2.            | PTO performance test  | 11.2   |
| 3.            | Power lift and hydraulic pump performance test  | 3.7  |
| 4.            | Drawbar performance test  | 5.4  |
| 5.            | Brake performance test  | 2.0  |
| 6.            | Nominal speed test  | 0.8  |
| <b>B.</b>     | Miscellaneous test and other run hours including idle run, transportation, trials and preparation for test. | 0.9  |
| <b>TOTAL:</b> |   | <b>24.0</b>  |