|  |  |  |
| --- | --- | --- |
| C:\Users\Hp\Desktop\download.png | emblem2 |  |
| **भारत सरकार**/**Government of India**  **उत्तरीक्षेत्रकृषिमशीनरीप्रशिक्षणएवंपरीक्षणसंस्थान/ Northern Region Farm Machinery Training and Testing Institute**  **ट्रैक्टरनगर, सिरसारोड, हिसार (हरियाणा)**/**Tractor Nagar, Sirsa Road, Hisar (Haryana)- 125 001**   |  |  |  |  | | --- | --- | --- | --- | | **Website: http://nrfmtti.gov.in** | **E-mail: fmti-nr@nic.in** | **Tel./Fax: 01662276984** | **GSTIN:06AAAGN0273PIZ3** | | **[ ISO – 9001 : 2015 CERTIFIED ]** | | | | | | |

**TECHNICAL SPECIFICATIONS FOR LASER LAND LEVELER**

|  |  |  |  |
| --- | --- | --- | --- |
| **1.1** | **General:** |  |  |
| Name & address of manufacturer | **:** |  |
| Name & address of applicant | **:** |  |
| Name of Implement | **:** |  |
| Type | **:** |  |
| Make | **:** |  |
| Model | **:** |  |
| Year of manufacture | **:** |  |
| Recommended capacity of tractor, kW/hp | **:** |  |
| Type of blade | **:** |  |
| Working width of implement, mm | **:** |  |
| Country of origin | **:** |  |
| **1.2** | **Prime Mover(Details as per labeling plate):** | | |
| Make & Model of Tractor | **:** |  |
| Engine No. | **:** |  |
| Chassis No. | **:** |  |
| Max. P.T.O. power, kW | **:** |  |
| S.F.C., g/kWh | **:** |  |
| **1.3** | **Chassis/Main frame:** |  |  |
| Type | **:** |  |
| Material &Size, mm | **:** |  |
| Dimensions, mm | **:** |  |
| Type of mounting | **:** |  |
| **1.3.1** | **Side Support Plate:** |  |  |
| Type | **:** |  |
| Thickness of plate, mm | **:** |  |
| Method of fixing | **:** |  |
| **1.3.2** | **Blade:** |  |  |
| Type | **:** |  |
| Material | **:** |  |
| **Size of blade, mm:** |  |  |
| -Length | **:** |  |
| -Width | **:** |  |
| Thickness | **:** |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Method of fixing | **:** |  |
| Provision for bevel edge | **:** |  |
| Provision for raising drag bucket & transport mechanism | **:** |  |
| Hydraulic ram cylinder travel length, mm | **:** |  |
| **1.3.3** | **Soil carrying drag bucket frame:** |  |  |
| Type | **:** |  |
| Thickness of plate, mm | **:** |  |
| **Size of plate, mm:** |  |  |
| -Length | **:** |  |
| -Peripheral width | **:** |  |
| Method of mounting drag bucket support beam | **:** |  |
| Type of beam | **:** |  |
| **1.4** | **Toeing Mechanism:** |  |  |
| Type & material | **:** |  |
| **1.4.1** | **Toe Beam:** |  |  |
| Type | **:** |  |
| Material &Size, mm | **:** |  |
| Method of fixing | **:** |  |
| **1.4.2** | **Toe Hook:** |  |  |
| Type | **:** |  |
| Specification | **:** |  |
| **1.5** | **Receiver Mounting Unit:** |  |  |
| **1.5.1** | **Receiver Column:** |  |  |
| Type | **:** |  |
| Size, mm : |  |  |
| -Length (Maximum & Minimum) | **:** |  |
| -Diameter | **:** |  |
| Method of height adjustment & depth control | **:** |  |
| **1.5.2** | **Mast:** |  |  |
| Type | **:** |  |
| **1.6** | **Transport Mechanism:** |  |  |
| Type | **:** |  |
| Dia. of axle, mm | **:** |  |
| Method of fixing | **:** |  |
| **1.6.1** | **Transport Wheel:** |  |  |
| Type | **:** |  |
| Make, size and ply rating | **:** |  |
| Number | **:** |  |
| Method of arrangement | **:** |  |
| **1.7** | **Electronic Equipment:** |  |  |
| **1.7.1** | **Control Box:** |  |  |
| Make | **:** |  |
| Model | **:** |  |
| Sr. No. | **:** |  |
| Year of Manufacture | **:** |  |
| Country of Origin | **:** |  |
| Power, W | **:** |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | On Grade LED’s (Green) | **:** |  |
| High/Low LED’s (Red) | **:** |  |
| Operating Voltage, V | **:** |  |
| Operating Temperature, degree | **:** |  |
| **1.7.2** | **Transmitter:** |  |  |
| Make | **:** |  |
| Model | **:** |  |
| Sr. No./Identification No. | **:** |  |
| Laser Source Wattage, mW | **:** |  |
| Laser Source Range, nm | **:** |  |
| Laser Class | **:** |  |
| Operating Temperature, degree | **:** |  |
| Rotational Speed, rpm | **:** |  |
| Level Accuracy, mm/30 m | **:** |  |
| Operating Diameter, m | **:** |  |
| Level Indicator | **:** |  |
| Power Supply | **:** |  |
| **1.7.3** | **Receiver:** |  |  |
| Make | **:** |  |
| Model | **:** |  |
| Sr. No. /Identification No. | **:** |  |
| Laser Beam Reception | **:** |  |
| Vertical Reception Window, mm | **:** |  |
| Dead Beam, mm | **:** |  |
| LED Display (Red=Hi/Low, Orange grade=  Green) | **:** |  |
| Operating Temperature, degree | **:** |  |
| Operating Range, m | **:** |  |
| Laser RPM | **:** |  |
| **1.7.4** | **Hydraulic Direction Control Valve Unit:** |  |  |
| Make | **:** |  |
| Model | **:** |  |
| Location | **:** |  |
| **1.7.5** | **Battery:** |  |  |
| Make | **:** |  |
| Model | **:** |  |
| Capacity (AH) | **:** |  |
| Sr. No. | **:** |  |
| **1.7.6** | **AC-DC Charging adaptor:** |  |  |
| Make | **:** |  |
| Number | **:** |  |
| Input | **:** |  |
| Output | **:** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **1.8** | **Overall Dimensions, mm:** | | |
| -Length | **:** |  |
| -Width | **:** |  |
| -Height | **:** |  |
| **1.9** | **Mass, kg** | **:** |  |
| **1.10** | **Accessories:** |  |  |
| **1.10.1** | Tripod | **:** |  |
| **1.10.2** | Connection/cables | **:** |  |
| **1.10.3** | Survey scale | **:** |  |
| **1.10.4** | Eye receiver | **:** |  |
| **1.10.5** | Remote | **:** |  |
| **1.10.6** | Stand | **:** |  |
| **1.11** | **Colour of bucket assembly** | **:** |  |
| **1.12** | **Labeling Plate:** |  |  |
|  |  |  |

**Date:**

**Place: Signature:**

Name of signatory: Designation:

Name & address of firm: