**LASER LAND LEVELLER SPECIFICATION**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1.1** | | **General** |  |  |
|  | | Name & address of manufacturer | **:** |  |
|  | | Type | **:** |  |
|  | | Make | **:** |  |
|  | | Model | **:** |  |
|  | | Brand Name | **:** |  |
|  | | Working width of implement, mm | **:** |  |
|  | | Country of origin | **:** |  |
| **1.2** | | **Prime Mover/Tractor** |  |  |
|  | | Minimum recommended power, kW | **:** |  |
| **1.3** | | **Chassis** |  |  |
|  | | Type | **:** |  |
|  | | Size, mm | **:** |  |
| **1.4** | | **Side Support Plate** |  |  |
|  | | Type | **:** |  |
|  | | Thickness of plate, mm | **:** |  |
| **1.5** | | **Blade** |  |  |
|  | | Type | **:** |  |
|  | | Material |  |  |
|  | | Size of blade (L X W X T) mm | **:** |  |
|  | | Provision for bevel edge | **:** |  |
|  | | Provision for raising Mould board & transport mechanism | **:** |  |
|  | | Type of Hydraulic ram cylinder & travel length, mm | **:** |  |
|  | | Bolt hole type (Square/ Circular) |  |  |
| **1.6** | | **Soil Carrying Mould Board Frame/Bucket** |  |  |
|  | | Type | **:** |  |
|  | | Working width, mm | **:** |  |
|  | | Material | **:** |  |
|  | | Thickness of plate, mm | **:** |  |
|  | | Size of plate, mm  Length  Peripheral width  Depth | **:**  **:**  **:** |  |
| **1.7** | | **Toeing Mechanism** |  |  |
| **1.8** | | **Toe Beam** |  |  |
|  | | Type | **:** |  |
|  | | Size, mm | **:** |  |
| **1.9** | | **Toe Hook** |  |  |
|  | | Type | **:** |  |
|  | | Size, mm | **:** |  |
| **1.10** | | **Receiver Mounting Unit** |  |  |
|  | | **Receiver Column** |  |  |
|  | | Type | **:** |  |
|  | | Size, mm  Length  Maximum  Minimum  Diameter | **:**  **:**  **:** |  |
|  | | Method of height adjustment & depth control | **:** |  |
| **1.11** | | Type of Mast | **:** | Regid Mast/Gear mast/Electrical mast |
| **1.12** | | **Transport Mechanism** |  |  |
|  | | Type | **:** |  |
|  | | Size of square beam, mm | **:** |  |
| **1.13** | | **Transport Wheel** |  |  |
|  | | Type | **:** |  |
|  | | Make, size and ply rating | **:** |  |
|  | | Number(s) | **:** |  |
| **1.14** | | **Electronic Equipments** |  |  |
| **1.14.1** | | **Control Panel** |  |  |
|  | | Make | **:** |  |
|  | | Model | **:** |  |
|  | | Country of origin | **:** |  |
|  | | Power input details | **:** |  |
|  | | Operating voltage | **:** |  |
|  | | Current usage, A |  |  |
|  | | Operating temp, 0C |  |  |
| **1.14.2** | | **Transmitter** |  |  |
|  | | Make | **:** |  |
|  | | Model | **:** |  |
|  | | Country of origin |  |  |
|  | | Provision of adjustment/compensation method | **:** |  |
|  | | Laser power, mW | **:** |  |
|  | | Laser Class | **:** |  |
|  | | Laser Range, m | **:** |  |
|  | | Operating temp, 0C | **:** |  |
|  | | Rotational Speed, rpm | **:** |  |
|  | | Level Accuracy, mm | **:** |  |
|  | | Operating diameter, m | **:** |  |
|  | | Power supply | **:** |  |
| **1.15** | | **Receiver** |  |  |
|  | | Make | **:** |  |
|  | | Model | **:** |  |
|  | | Country of origin | **:** |  |
|  | | Laser beam reception, degrees | **:** |  |
|  | | Vertical reception window, mm | **:** |  |
|  | | Dead band, mm | **:** |  |
|  | | Operating Temperature, 0C | **:** |  |
|  | | Operating range, mm | **:** |  |
| **1.16** | | Accessories, Survey scale and survey receiver Provided/ not provided |  |  |
| **1.17** | | **Hydraulic Direction Control Valve Unit** |  |  |
|  | | Make | **:** |  |
|  | | Model | **:** |  |
|  | | Location | **:** |  |
|  | | Pressure relief valve setting, Kg/cm2 |  |  |
| **1.18** | | **Battery** |  |  |
|  | | Make | **:** |  |
|  | | Type | **:** |  |
|  | | Capacity, Ah | **:** |  |
| **1.19** | | **Overall Dimensions, mm (Ref. Fig.1)** |  |  |
|  | | Length | **:** |  |
|  | | Width | **:** |  |
|  | | Height | **:** |  |
| **1.20** | | **Mass, kg** | **:** |  |
| **1.21** | **Accessories** | | **:** |  |
|  | Tripod | | **:** |  |
|  | Connection/cables | | **:** |  |
|  | Survey scale | | **:** |  |
|  | Eye receiver | |  |  |
| **1.22** | **Colour of bucket assembly** | | **:** |  |
| **1.23** | **Stand** | | **:** |  |
| **1.24** | **AC-DC Charging adaptor** | |  |  |
|  | Make | | **:** |  |
|  | Number | | **:** |  |
|  | Input | | **:** |  |
|  | Output | | **:** |  |
| **1.25** | **Information provided on labeling plate** | |  |  |
|  |  | | | |

Place: Signature----------------------------------------

Date: Name of the applicant------------------------

Designation--------------------------------------

Address-------------------------------------------

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