**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, mmLengthPeripheral widthDepth | **:****:****:** |  |
| **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-------------------------------------------

 ----------------------------------------------------

 ----------------------------------------------------