**SPECIFICATION SHEET OF POWER WEEDER**

**(SAMPLE FOR BATCH TEST)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **DESCRIPTION** |  | **BASE MODEL****(Previous Sample)** |  | **BATCH MODEL****(Present sample)** |  | **Remarks**  |
| **1** | **General** |  |  |  |  |  |  |
|  | Type of machine | **:** | Power Weeder, Self propelled, Walk behind | **:** | Power Weeder, Self propelled, Walk behind | **:** | Changed/Not Changed |
|  | Make | **:** | PQR | **:** | PQR | **:** | Changed/Not Changed |
|  | Model | **:** | CD-10 | **:** | CD-10 | **:** | Changed/Not Changed |
|  | Name & address of manufacturer | **:** | XXXX | **:** | XXXX | **:** | Changed/Not Changed |
|  | Name & address of applicant | **:** | YYYY | **:** | YYYY | **:** | Changed/Not Changed |
|  | Country of origin. | **:** | India/Other country  | **:** | India/Other country  | **:** | Changed/Not Changed |
|  | S. No. of machine | **:** | 19108773 | **:** | 19108773 | **:** | Changed/Not Changed |
|  | Year of manufacturer | **:** | 2021 | **:** | 2021 | **:** | Changed/Not Changed |
|  | Working width, mm | **:** | 1500 | **:** | 1500 | **:** | Changed/Not Changed |
| **2** | **Transmission System** |  |  |  |  |  |  |
| **2.1** | Clutch |  |  |  |  |  |  |
|  | Make | **:** | ABC | **:** | ABC | **:** | Changed/Not Changed |
|  | Type | **:** | Wet Type  | **:** | Wet Type  | **:** | Changed/Not Changed |
|  | Mode of operation | **:** | By hand lever  | **:** | By hand lever  | **:** | Changed/Not Changed |
| **2.2** | Primary (main) gear |  |  |  |  |  |  |
|  | Type | **:** | Spur gear combination/Sliding mesh gear box.  | **:** | Spur gear combination/Sliding mesh gear box.  | **:** | Changed/Not Changed |
|  | No. of speed | **:** | 06 (03 forward & 03 reverse) | **:** | 06 (03 forward & 03 reverse) | **:** | Changed/Not Changed |
|  | Oil Capacity, l | **:** | 2.50 | **:** | 2.50 | **:** | Changed/Not Changed |
|  | Oil change Period | **:** | First change after 50 Hrs then subsequently change after every 200 hours of operation. | **:** | First change after 50 Hrs then subsequently change after every 200 hours of operation. | **:** | Changed/Not Changed |
| **2.4** | Secondary gear box for rotor |  |  |  |  |  |  |
|  | Type | **:** | Crown and pinion | **:** | Crown and pinion | **:** | Changed/Not Changed |
|  | No. of teeth on pinion | **:** | 08 | **:** | 08 | **:** | Changed/Not Changed |
|  | No. of teeth on crown | **:** | 27 | **:** | 27 | **:** | Changed/Not Changed |
|  | Reduction ratio | **:** | 3.375:1 | **:** | 3.375:1 | **:** | Changed/Not Changed |
|  | Provision of differential  | **:** | Provided/Not Provided  | **:** | Provided/Not Provided  | **:** | Changed/Not Changed |
| **3** | Brakes |  |  |  |  |  |  |
|  | Make  | **:** | CDE | **:** | CDE | **:** | Changed/Not Changed |
|  | Type | **:** | Mechanical | **:** | Mechanical | **:** | Changed/Not Changed |
|  | Method of operation | **:** | By hand lever  | **:** | By hand lever  | **:** | Changed/Not Changed |
| **4** | Rotor shaft |  |  |  |  |  |  |
|  | Material | : | SAE 1045 (CRS)/EN9/EN19 | : | SAE 1045 (CRS)/EN9/EN19 | **:** | Changed/Not Changed |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Distance between two flanges, mm | **:** | 120 | **:** | 120 | **:** | Changed/Not Changed |
|  | No. of flanges | **:** | 06 | **:** | 06 | **:** | Changed/Not Changed |
|  | Type of flanges  | **:** | Square/Circular/Rectangular  | **:** | Square/Circular/Rectangular  | **:** | Changed/Not Changed |
| **5** | **Rotor Blades**  |  |  |  |  |  |  |
|  | Type  | **:** | C/J/L type  | **:** | C/J/L type  | **:** | Changed/Not Changed |
|  | Thickness of rotor blade, mm | **:** | 8.0 | **:** | 8.0 | **:** | Changed/Not Changed |
|  | No. of blades  | **:** | 20  | **:** | 20  | **:** | Changed/Not Changed |
|  | Number of blade on each flanges  | **:** | 04 | **:** | 04 | **:** | Changed/Not Changed |
|  | Material of blade | **:** | Boron (28MnCB5)/High carbon steel of grade EN 42j/EN45/47 | **:** | Boron (28MnCB5)/High carbon steel of grade EN 42j/EN45/47 | **:** | Changed/Not Changed |
| **6** | Depth control mechanism |  |  |  |  |  |  |
|  | Type  | **:** | Mechanical, MS flat | **:** | Mechanical, MS flat | **:** | Changed/Not Changed |
|  | No. of flat | **:** | 01 | **:** | 01 | **:** | Changed/Not Changed |
| **7** | **Steering handle bar** |  |  |  |  |  |  |
|  | No. of steering handle bar | **:** | One  | **:** | One  | **:** | Changed/Not Changed |
|  | Material | **:** | M.S. pipe | **:** | M.S. pipe | **:** | Changed/Not Changed |
|  | Shape | **:** | U-shape | **:** | U-shape | **:** | Changed/Not Changed |
|  | Provision for handle height adjustment | **:**  | Provided/Not provided  | **:**  | Provided/Not provided  | **:** | Changed/Not Changed |
|  | Provision for handle rotation | **:** | Provided/Not provided  | **:**  | Provided/Not provided  | **:** | Changed/Not Changed |
|  | Provision for operator seat | **:** | Provided/Not provided  | **:**  | Provided/Not provided  | **:** | Changed/Not Changed |
| **8** | **Transport wheel** | **:** | Provided/Not provided  | **:**  | Provided/Not provided  | **:** | Changed/Not Changed |
| **9** | **Tail wheel** | **:** | Provided/Not provided  | **:**  | Provided/Not provided  | **:** | Changed/Not Changed |
| **10** | Controls/Safety |  |  |  |  |  |  |
|  i) | Hand accelerator on handle bar**.** |  |  | : | Provided/Not provided  |
|  ii) | Tiller engaging lever. |  |  | : | Provided/Not provided  |
|  iii)  | Safety lever for disengaged the clutch and stop the rotor shaft and transport wheel.  | : | Provided/Not provided  |
| iv)  | Clutch engaging lever. |  |  | : | Provided/Not provided  |
| v) | Gear shifting lever. |  |  | : | Provided/Not provided  |
| vi) | Reverse gear engaging lever Cum automatic PTO power shut off lever.  | : | Provided/Not provided  |
| vii) | Depth control mechanism  |  |  | : | Provided/Not provided  |
| viii) | Differential locking lever  |  |  | : | Provided/Not provided  |
| ix) | Parking brake  |  |  | : | Provided/Not provided  |
| x) | RHS and LHS brake lever. |  |  | : | Provided/Not provided  |
| xi) | Provision for emergency stop of engine  |  |  | : | Provided/Not provided  |
| xii) | Provision for easy start of engine  |  |  | : | Provided/Not provided  |
| xiii) | Provision for shield/cover to prevent flying of mud & stone from rotor | : | Provided/Not provided  |
| xiv) | Provision for cover on Exhaust  |  |  | : | Provided/Not provided  |
| xv) | Direction of exhaust emission away from operator |  |  | : | Provided/Not provided  |
| **11** | Overall dimensions  |  |  |  |  |
|  | Length | **:** | 2000 |  |  |
|  | Width | **:** | 855 |  |  |
|  | Height | **:** | 1440 |  |  |
| **12** | Mass, Kg | **:** | 240 |  |  |
| **13** | **Lubricants**  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| Sr. No. | Particulars | Grade of oil/Grease |
| 1. | Engine sump  | SAE-20W40 |
| 2. | Primary gear box and secondary gear box. | SAE-90 or SAE-140 |
| 3. |  Air cleaner of engine  | SAE 20W40 |

|  |  |  |  |
| --- | --- | --- | --- |
| **14** | **Marking/Lebeling of machine**  | **:** | The labeling plate should be riveted on the body of machine having name & address of manufacturer, country of origin, make, model, year of manufacture, serial number, type, size, required size of prime mover kW,  |

**Remark:- For commercial test, Parameters filled only present sample**

Place:

Date:

Signature------------------------------

Name of applicant-------------------

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

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