**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 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 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** | | | |  | |  | | |  |  |

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| 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 |

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| **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--------------------------------