

SPECIFICATIONS OF SUPER SEEDER

1.1 General

Manufacturer Name and address :

Make :

Model :

Size, (mm) :

Seed on which test trials were requested to be conducted :

1.2 Prime mover to be used

Minimum power requirement, kW :

Recommended No load PTO speed for field work (rpm) :

1.3 Rotor

Axle

Material :

Type of rotor axle :

Size of shafts (mm) :

No. of flanges :

Dia. of flanges (mm) :

Thickness of flange (mm) :

No. of blades on each flanges :

Distance between two flanges (mm) :

Diameter of rotor with blade (mm) :

Rotor blades

Number(s) :

Type

Material :

Overall thickness (mm) :

Thickness of beveled edge (mm) :

Length of beveled edge (mm) :

Speed of rotor shaft corresponding to recommended no load speed of PTO shaft (rpm) :

Peripheral speed of rotor with blade (m/min) :

1.4 Depth control mechanism

1.5 Skid

Type & material :

	Upper	Lower
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Size (mm)

Curved length :

Width :

Thickness :

No. of skids :

Method of adjustment :

1.6 Adjusting rack

Type :

Length of slot of depth adjustment (mm) :

Range of depth adjustment (mm) :

Method of mounting :

Date:- Signature of Applicant:-

Name :-

Designation :-

Seal :-

- 1.7 Mast**
- Type :
- Thickness of plate :
- Size of M.S. plat for hitch section (mm) :
- Shape :
- 1.8 Power transmission system (Attach drawing)**
- 1.8.1 Power input shaft**
- Diameter, mm :
- No of spline :
- 1.8.2 Primary reduction**
- Type :
- Reduction ratio at gear box :
- Oil capacity (l) :
- Grade of oil :
- Oil change period (h) :
- Dia. of shaft (mm) :
- 1.8.3 Secondary reduction**
- Type :
- Type of gear :
- Reduction ratio :
- Oil capacity (l) :
- Grade of oil :
- Oil change period (h) :
- 1.9 Power take off drive shaft**
- Type :
- Length of the shaft (mm) :
- Closed :
- Extended :
- Mass of shaft (kg) :
- Provision against overload (Yes/No) :
- Guard over propeller shaft (Yes/No) :
- 1.10 Overall dimensions**
- Length (mm) :
- Width (mm) :
- Height (mm) :
- 1.11 Operational mass (kg) :**
- 1.12 Marking (Provided/ Not provided) :**
- 1.13 Details of Information provided on labeling plate**
- 1.14 Constructional details**
- 1.15 Main frame details** :
- Size of square bar, (mm) :
- Dimensions of frame, (mm)
- Length :
- Width :

Date:- Signature of Applicant:-
 Name :-
 Designation :-
 Seal :-

1.16 **Seed cum fertilizer box (Hopper)** :
 Type :
 Constructional details :

Dimensions of hopper

		Seed	Fertilizer
Length, (mm)	:		
Width at top, (mm)	:		
Width at bottom, (mm)	:		
Depth, (mm)	:		
Thickness of sheet, mm	:		
Capacity with seed / fertilizer, (kg)	:		

1.16 **Lid of hopper (Provided/Not provided)**
 1.17 **Metering mechanism**
 1.18 **Seed metering mechanism (Attach drawing)**
 Type :
 Size and number of fluted roller

Dia., mm :
 No. :

Method of drive to feed shaft :
 Method of feed rate control :

1.19 **Fertilizer metering mechanism (Attach drawing)**

Type :
 Method of drive to feed shaft :

Seed & fertilizer tube

Type :
 Number of tube :
 Length of tube, (mm) :
 Size of tube, (mm) :

1.20 **Drive mechanism**

Type :

Ground drive wheel

Type & No. of Lugs :
 Number :
 Constructional details :
 Size of lugs (mm) (t x w x h) :
 Dia. of wheel with lug (mm) :

Method of transmitting power to feed shaft

1.21 **Type of hitch & its details**

Type :
 Shape :
 Constructional details :

1.22 **Overall Dimensions with ground drive wheel (mm):**

Length	Width	Height

1.23 **Mass**

Without seed, (kg) :
 With Seed & Fertilizer, (kg) :

Date:-
 Signature of Applicant:-
 Name :-
 Designation :-
 Seal :-

1.24 Type and Grade of Lubricant Recommended

Sl. No.	Particulars	As recommended by the manufacturer
1	Primary Gear box	
2	Secondary Gear box	
3	Rotor Hub	
4	Propeller Shaft	

Place:

Signature-----

Date:

Name of the applicant-----

Designation-----

Address-----

Date:-

Signature of Applicant:-

Name :-

Designation :-

Seal :-