

SPECIFICATIONS OF HAPPY SEEDER

- 1.1 General**
- Name and address of the manufacturer :
- Make :
- Model :
- Year of Manufacturer :
- Size of happy seeder, (mm) :
- Seed on which test trials were requested to be conducted :
- 1.2 Prime mover/Tractor to be used** :
- Minimum power,(kW) :
- Recommend PTO speed for field work (rpm) :
- 1.3 Main frame details** :
- Size of square bar, (mm) :
- Dimensions of frame, (mm)
- Length :
- Width :
- Size of MS sheet for supporting seed & fertilizer box, (mm) :
- 1.4 Tyne**
- No. of tynes :
- Type :
- Material :
- Arrangement of tynes on mainframe :
- Spacing of tynes, (mm) :
- Provision for adjustment of row spacing :
- 1.5 Furrow openers**
- Type :
- Material :
- Method of fixing :
- 1.6 Seed and fertilizer box (Hopper)** :
- Type :
- Constructional details :

Dimensions of hopper

	Seed	Fertilizer
Length, (mm) :		
Width at top, (mm) :		
Width at bottom, (mm) :		
Depth, (mm) :		
Capacity with seed / fertilizer, (kg) :		
Thickness of sheet, mm :		
1.7 Lid of hopper (Provided / Not provided) :		

Date :-

Signature of Applicant :-

Name :-

Designation :-

Seal :-

- 1.8 **Metering mechanism**
- 1.9 **Seed metering mechanism (Attach drawing)**
 Type :
 Method of drive to feed shaft :
 Method of feed rate control :
- 1.10 **Fertilizer metering mechanism (Attach drawing)**
 Type :
 Method of drive to feed shaft :
 Method of feed rate control :
- 1.11 **Seed & fertilizer tube**
 Type :
 Number of tube :
 Length of tube, (mm) :
 Size of tube, (mm) :
- 1.12 **Drive mechanism**
 Type :
- 1.13 **Ground drive wheel**
 Number(s) :
 Type & No. of Lugs :
 Dia. of wheel with lug (mm) :
- 1.14 **Type of hitch & its details**
 Type :
 Shape :
 Constructional details :
- 1.14 **Marker (Provided/ Not provided)** :
- 1.15 **Seed covering arrangement (Provided / Not provided)** :
- 1.16 **Shield (top cover)**
 Type :
 Size of shield, mm
 Length :
 Peripheral width :
 Thickness of sheet, mm :
- 1.17 **Rotor unit (Attach power transmission drawing)**
- 1.18 **Rotor shaft**
 Type :
 Size of shaft(length and Diameter),mm :
 Speed of rotor shaft corresponding to 540 rpm of P.T.O shaft, rpm :
 Total No of blades on shaft :
 Distance between two adjacent blades, mm :
 Diameter of rotor with blade (mm) :
- 1.19 **Rotor blade** :
 Number(s) :
 Type :
 Overall thickness, mm :

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

Thickness at tip, mm :
 Method of mounting blades on rotor shaft :
 Peripheral speed of rotor blades, m/sec. :
 Safety provision to prevent flying of mud & stone :

1.20 Primary reduction

Type :
 Reduction ratio at gear box :
 Oil capacity (l) :
 Grade of oil :
 Oil change period (h) :

1.21 Secondary reduction

Type :
 Speed reduction ratio :

1.22 Power Input connection

Diameter, mm :
 Length, mm :
 No of spline :

1.23 Power take off drive shaft

Type :
 Length of the shaft (mm)
 -Closed :
 -Extend :
 Mass of shaft (kg) :
 Provision against overload :
 P.T.O. drive safety guard :

1.24 Overall Dimensions with ground drive wheel (mm):

Length	Width	Height

1.25 Mass

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

Details of Information provided on Labeling plate :

Place: Signature-----
 Date: Name of the applicant-----
 Designation-----
 Address-----

