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Government of India
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Ministry of Agriculture and Farmers Welfare
कृषि, सहकारिता एवं किसान कल्याण विभाग
Department of Agriculture, Cooperation and Farmers Welfare
उत्तर पूर्वी क्षेत्र कृषि यंत्र प्रशिक्षण एवं परीक्षण संस्थान,
FARM MACHINERY TRAINING & TESTING INSTITUTE (NER)
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SPECIFICATIONS :

1.1.1 General:

Name and address of manufacturer :

Name of the machine :
Type :
Make :
Serial No. :
Model :
Year of manufacture :

1.1.2 Brief specification of prime mover used :

Type :

Make & Model :
Engine No. :
Chassis No. :
Maximum PTO power Kw(ps) :
Engine speed for field operation recommended by applicant (rpm) :

1.2 Ridgers:

Number of riders :

Method of changing of ridge spacing :
Range of Spacing (mm) :
Soil covering device :
Method of adjustment of height of soil covering device :
Wing width (Range) (mm) :
Method of changing of wing width :
Depth control :

1.3 Metering Mechanism:

1.3.1 Seed Metering Mechanism:

	Type	:
	Method of feeding seeds to metering device	:
	Location of seed placement	:
	No. of openings, if ring type	:
	No. of cups, if cup type	:
	Drive details	:
	Speed ratio of shaft of seed metering device to ground wheel axle	:
	Internal diameter of seed tube(mm)	:
	Provision of shovel in front of seed tube	:
	Size of shovel (mm)	
	Length	:
	Width	:
	Thickness	:
	Height of lower end of seed tube (mm):	
	From the ground	:
	From the lower end of the shovel attached to seed tube	:
1.3.2	**Fertilizer Metering Mechanism**	:
1.4	**Ground Wheel details:**	
	No. of wheels	:
	Type of wheels	:
	Size (mm)	:
	Method of transmitting power to feed shaft	:
1.5	**Frame:**	
	Type	:
	Provision for changing of row spacing	:
1.6	**Operator's seat:**	
	Type	:
	No. of seats provided on the planter	:
	Length and width/diameter (mm)	:
	Distance from centre of seat to hopper edge (mm)	:
	Provision of foot support	:
1.7	**Hopper:**	
	Capacity	:
	Type	:

Thickness of hopper sheet (mm) :

1.8 Type of hitch and its details:

Type :
Shape :
Material of construction :
Length of lower link hitch pins (mm) :
Height of lower link hitch pints from ground level (mm) :

Dimensions of Three point linkage (Refer fig.1)				
Sl.No.		As per IS:4468-2001 (mm)	As measured (mm)	Remarks
I	**Upper hitch point (cat-II)**			
a)	Diameter of hitch pin (A)	25.27 to 25.40		
b)	Diameter of hitch pin hole (B)	25.70 to 25.91		
c)	Linch pin hole distance (D)	93 (min.)		
d)	Width between outer faces of yoke (E)	86 (max.)		
e)	Width between inner faces of yoke (F).	52-0 (min)		
II	**Lower hitch points (cat.-II)**			
a)	Dia of hitch pin (G)	27.79 to 28.0		
b)	Diameter of hitch pin hole (H)	28.70 to 29.03		
c)	Linch pin hole distance (K)	49 (Min.)		
III	**Diameter of linch pin hole for (Cat.II)**			
a)	Upper hitch pin (L)	12 (min)		
b)	Lower hitch pin (L)	12(min.)		
IV	**Mast height (M)**	510 (min.)		
V	**Lower hitch point span (N)**	823.5 to 826.5		

1.9 Overall dimensions (mm):

Length :

Width :

Height :

1.10 Power requirements :

1.11 Number of Greasing Points :

1.12 Number of oil holes :

1.13 VISUAL OBSERVATIONS AND PROVISION FOR ADJUSTMENTS :

Adequacy of protection of bearings against the ingress of dust :

Provision of lubrication of moving parts :

Provision for belt or chain tightening :

Adequacy of anticorrosive coatings :

Tightness of bolts, and nuts and other fasteners :

Condition of welding of seams :

Other observations :

Tuber distance adjustments :

Row spacing adjustments :

Depth of planting adjustments

Tuber size adjustments :

Place:

Date:

Signature:……

Name:……

Designation:……