



**Farm Machinery Testing and Training Centre
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SPECIFICATION SHEET OF SEED CUM FERTILIZER DRILL

1	GENERAL:		
	a) Name and address of the applicant	:	
	b) Type	:	
	c) Make	:	
	d) Serial	:	
	e) Model	:	
	f) Year of manufacture	:	
	g) Different seeds which the drill is designed to sow.	:	
	h) Source of power	:	
	i) Recommended travelling speed of the drill	:	
	j) Recommended power of tractor (if tractor operated)	:	
	k) Location of fertilizer outlet in relation to seed outlet.	:	
2	FURROW OPENERS		
	a) Type	:	
	b) Type and tilt angle with respect to vertical	:	
	c) No. of openers	:	

	d) Arrangement of openers	:	
	e) Range if selection of openers	:	
	f)Method of changing row space and range	:	
	g) Nominal width (cm)	:	
	h)Lifting and lowering of openers	:	
	i) Depth control	:	
	j)Fertilizer placement with respect to seeds.	:	
3	METERING MECHANISM:		
	1) Seed metering device:		
	a) Type	:	
	b) Size of feed shaft (mm)	:	
	c) Size (dia. mm) and number of fluted rollers	:	
	d) Source of power (ground wheel or other)	:	
	e)Transmission ratio of shaft of seed metering device to land wheel axle	:	
	g)Type of agitator	:	
	h)Method of feed rate control for different sizes of seeds	:	
	i) Provision for closing seed discharge.	:	

	b) Fertilizer distributor	:		
4	HOPPER:			
	a) Capacity (Kg)			
	1) Seed box	:		
	2) Fertilizer box	:		
	b) Type of seed hoppers	:		
	c) Type of fertilizer hoppers	:		
5	MARKER DETAILS:		:	
6	SEED COVERING ARRANGEMENT	:		
7	TYPE OF HITCH AND ITS DETAILS:			
	Type	:		
	Specification of Hitch Pyramid As per IS: 4468 -1997: -			
S No.	Notation Specifications	Dimension (mm)		Remark
		As per IS	As measured	
1	Upper Hitch Points -			
	Diameter of hitch pin hole	25.70-25.90		
	Width between inner surfaces of yoke	52.0 (Min)		
	Width between outer surfaces of yoke	86 (Max)		
2	Lower Hitch point:			
	Diameter of hitch pin	27.80 – 28.0		
	Diameter of hitch pin hole	28.7 – 29.0		
	Width between inner surfaces of yoke	52.0 (Min)		

	Width between outer surfaces of yoke	86 (Max)		
	Lower hitch point span	825 ±1.5		
3	Mast height	610±1.5		

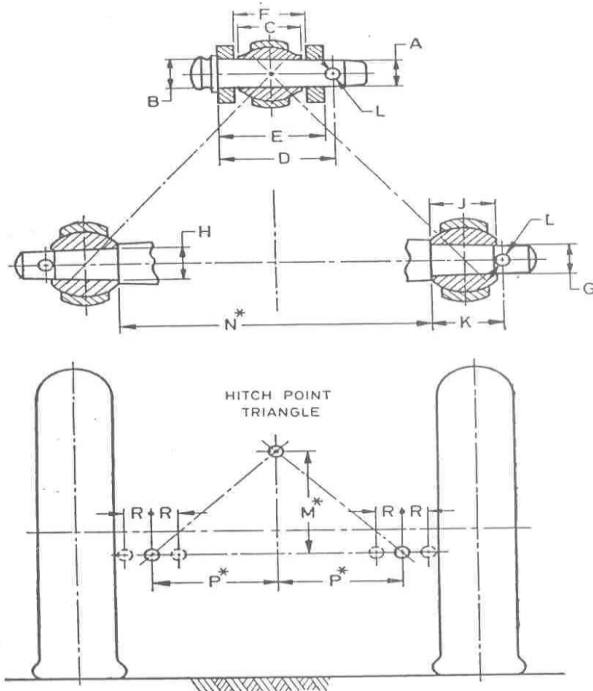


FIG. 1. DIMENSIONS OF HITCH POINTS

Fig. Specifications of the hitch pyramid

8	GROUND DRIVE DETAILS:	
	a) No. of wheels	:
	b) Type of wheel	:
	c) Size (mm)	:
	d) No. of lugs	:
	e) Method of transmitting power to feed shafts	:

9	DETAILS OF ADJUSTMENTS:		
	Sl. No.	Adjustments	Method
	1	Feed rate	:
	2	Spacing of furrow openers	:
	3	Depth of sowing	:
	4	Height of covering device	:
	5	Reduction ratio of drive mechanism	:
10	DETAILS OF SAFETY ARRANGEMENT FOR ROTATING PARTS		:
11	OVERALL DIMENSIONS (mm):		
	a) Length X Width X Height	:	
	d) Weight of seed cum ferti drill	:	
	e) Weight with seeds and fertilizers (kg)	:	
12	NUMBER OF GREASING POINTS		:
13	DETAILS OF MATERIAL OF CONSTRUCTION:		

Sl. No.	Name of part	Material	Section or size
1	Feed shafts		
2	Seed and fertilizer box		
3	Tyne		
4	Boot		
5	Seed tube		
6	fertilizer tube		
7	Covering device		

Place:

Date:

Signature : _____

Name : _____

Designation: _____