



Farm Machinery Testing and Training Centre
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SPECIFICATION SHEET OF POTATO PLANTER

1	General		
	Name and address of manufacturer	:	
	Name and address of applicant	:	
	Type	:	
	Make	:	
	Serial	:	
	Model	:	
	Year of manufacture	:	
	Minimum PTO power, kW	:	
	Recommended power source	:	
	Power source used, kW	:	
	Recommended travelling speed of the potato planter	:	
2	Construction details		
2.1	Frame		
	Type		
	Size of box, mm		
	Provision for changing of row spacing		
2.3	Ridgers		
	Number of ridgers	:	
	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, Minimum/Maximum	:	
	Method of changing of wing width	:	

	Depth control	:	
2.4	Seed Metering Mechanism		
	Type	:	
	No. of openings, if ring type	:	
	No. of cups, if cup type	:	
	Drive details	:	
	Speed ratio of shaft metering device to ground wheel axle	:	
	Internal diameter of speed tube, mm	:	
	Provision of shovel in front seed tube	:	
	Size of shovel (L x B x T), mm	:	
	Height of lower end of seed tube, mm From the ground From the lower end of the shovel attached to seed tube	:	
2.5	Ground wheel		
	No. of wheels	:	
	Type of wheels	:	
	Size, mm	:	
	Diameter (Max./Mini.), mm	:	
	Thickness of sheet, mm	:	
	Method of transmitting power to feed shaft	:	
2.6	Operator's seat		
	Type	:	
	Thickness of sheet	:	
	Diameter from centre of seat to hopper edge, mm	:	
	Provision of foot support	:	
2.7	Hopper		
	Capacity, kg	:	
	Type	:	

	Thickness of hopper sheet, mm	:			
3	Type of hitch and details				
	Type	:			
	Specification of hitch pyramid As per IS: 4468 -1997: - (Refer Fig. 1)				
	Three point linkage dimensions, mm				
	Sr. No.	Notation	As per IS:4468-2001 (Cat-I/Cat-II)	As measured	Remarks
	I	Upper hitch point			
	a)	Diameter of hitch pin (A)	18.92 to 19.00/ 25.37 to 25.50		
	b)	Diameter of hitch pin hole (B)	19.30 to 19.50/ 25.70 to 25.91		
	c)	Linch pin hole distance (D)	76.00 (Min.)/ 93.00 (Min.)		
	d)	Width between outer faces of yoke (E)	44.50 (Min.)/ 52.00 (Min.)		
	e)	Width inner faces of yoke (F)	69 (Max.)/ 86 (Max.)		
	II	Lower hitch points			
	a)	Diameter of hitch pin	21.8 to 22.00/ 27.8 to 28.00		
	b)	Diameter of hitch pin hole (H)	22.4 to 22.65/ 28.7 to 29.00		
	c)	Linch pin hole distance (K)	39.00 (Min.)/ 49.00 (Min.)		
	III	Dia. of linch pin hole			
	a)	Upper hitch pin (L)	12.00 (Min)		
	b)	Lower hitch pin (L)	12.00 (Min)		
IV	Mast height	458.5 to 461.5/ 608.5 to 611.5			
V	Lower hitch point spans (N)	681.5 to 684.5/ 823.5 to 826.5			

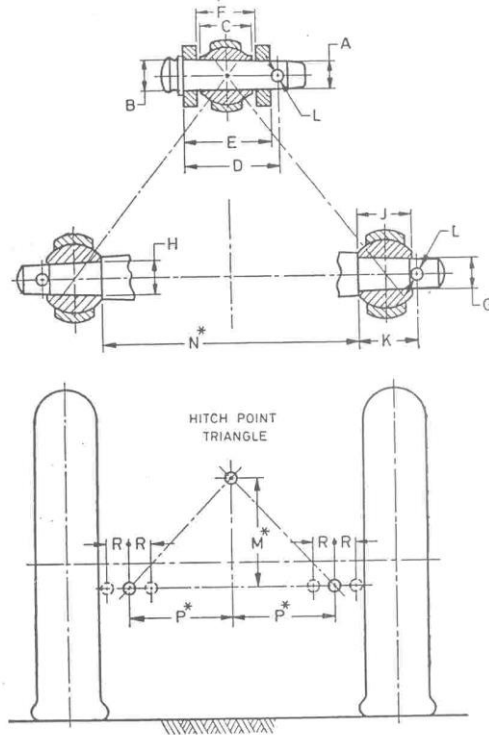


Fig. 1 Dimensions of Hitch points

4	Number of Greasing Points	:	
	Number of oil holes	:	
5	Provisions 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 coating	:	
	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	:	

6	Overall dimensions, mm		
	Length		
	Width		
	Without marker		
	With marker		
	Height		
	Mass, Kg		

Place:

Date:

Signature: _____

Name: _____

Designation: _____