



**Farm Machinery Testing and Training Centre**  
**Department of Farm Power and Machinery**  
**College of Agricultural Engineering and Technology**  
**DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH**  
**AKOLA- 444 104 (MS)**



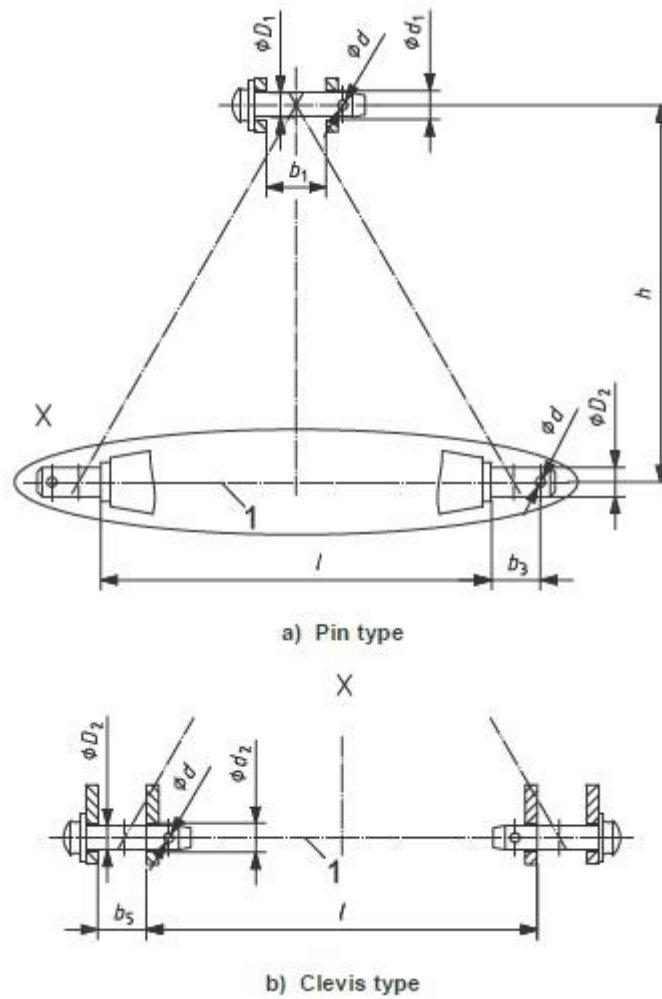
*E-mail: [fmtt28@gmail.com](mailto:fmtt28@gmail.com)*

**SPECIFICATION SHEET OF POTATO PLANTER**

<b>1</b>	<b>General</b>		
	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	:	
<b>2</b>	<b>Construction details</b>		
<b>2.1</b>	<b>Frame</b>		
	Type		
	Size of box, mm		
	Provision for changing of row spacing		
<b>2.3</b>	<b>Ridgers</b>		
	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	:	
<b>2.4</b>	<b>Seed Metering Mechanism</b>		
	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	:	
<b>2.5</b>	<b>Ground wheel</b>		
	No. of wheels	:	
	Type of wheels	:	
	Size, mm	:	
	Diameter (Max./Mini.), mm	:	
	Thickness of sheet, mm	:	
	Method of transmitting power to feed shaft	:	
<b>2.6</b>	<b>Operator's seat</b>		
	Type	:	
	Thickness of sheet	:	
	Diameter from centre of seat to hopper edge, mm	:	
	Provision of foot support	:	
<b>2.7</b>	<b>Hopper</b>		
	Capacity, kg	:	
	Type	:	

	Thickness of hopper sheet, mm	:		
<b>3</b>	<b>Implement hitch point as per IS</b>			
	Type	:		
	Construction details	:		
	<b>Specification of Hitch Pyramid As per IS:17231:2019: - (Refer Fig. 1)</b>			
	<b>Three point linkage dimensions, mm</b>			
Sr. No.	Notations	As per IS: 17231:2019 (1N, 1, /2N, 2), mm	As measured, mm	Remarks
<b>I</b>	<b>Upper hitch point</b>			
D <sub>1</sub>	Diameter of hitch pin	19 (0-0.08)/ 25.5 (0-0.13)		
b <sub>1</sub>	Width between inner faces of yoke	52 (Min.)		
<b>II</b>	<b>Lower hitch points</b>			
D <sub>2</sub>	Diameter of hitch pin	22 (0-0.2)/ 28 (0-0.2)		
b <sub>3</sub>	Linch pin hole distance	49 (Min.)		
b <sub>5</sub>	Clevis width	65+20		
l	Lower hitch point span	400±1.5, 683±1.5, 683±1.5, 825±1.5		
<b>III</b>	<b>Other dimensions</b>			
d	Diameter for linch pin hole			
	Upper hitch pin	12 (min.)		
	Lower hitch pin	12 (min.)		
h	Mast height	360±1.5 460±1.5 610±1.5 610±1.5		



**Fig 1 Dimensions related to implement hitch attachment**

<b>4</b>	<b>Number of Greasing Points</b>	:	
	<b>Number of oil holes</b>	:	
<b>5</b>	<b>Provisions for adjustments</b>		
	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	:	
<b>6</b>	<b>Overall dimensions, mm</b>		
	Length		
	Width		
	Without marker		
	With marker		
	Height		
	Mass, Kg		

Place:

Date:

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Designation: \_\_\_\_\_