



**Farm Machinery Testing and Training Centre**  
**Department of Farm Machinery and Power**  
**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 TRACTOR MOUNTED MECH. REV. M.B. PLOUGH**

1.0	<b>General</b>	:	
	Name of machine	:	
	Name and address of manufacturer	:	
	Name and address of applicant	:	
	Selling price in India	:	
<b>2.0</b>	<b>Constructional details</b>		
	a) Name	:	
	b) Type	:	
	c) Make	:	
	d) Serial Number	:	
	e) Model	:	
	f) Year of manufacture	:	
	g) No. of plough bottom(s)	:	
	h) Size of plough (mm)	:	
	i) Source of power	:	
<b>2.1</b>	<b>Frame:</b>		
	a) Constructional details	:	
	b) Dimensions (mm):		
	i) Length	:	
	ii) Width (front/rear)	:	
	iii) Number & size of holes on frame for fixing standard (mm)	:	
	c) Balancing weight	:	
<b>2.2</b>	<b>Standard:</b>		
	a) Numbers	:	
	b) Material	:	
	c) Type	:	
	d) Dimensions (mm)		
	i) - Projected length	:	
	- Curved length	:	
	ii) - Width	:	
	iii) - Thickness	:	
	e) No., size & spacing of holes for fixing frog (mm)	:	
	f) No. & size of holes for fixing to the frame	:	
	g) Method of fixing	:	
<b>2.3</b>	<b>Plough Bottoms:</b>		
	a) Numbers	:	
	b) Type	:	
	c) Size of plough (mm)	:	

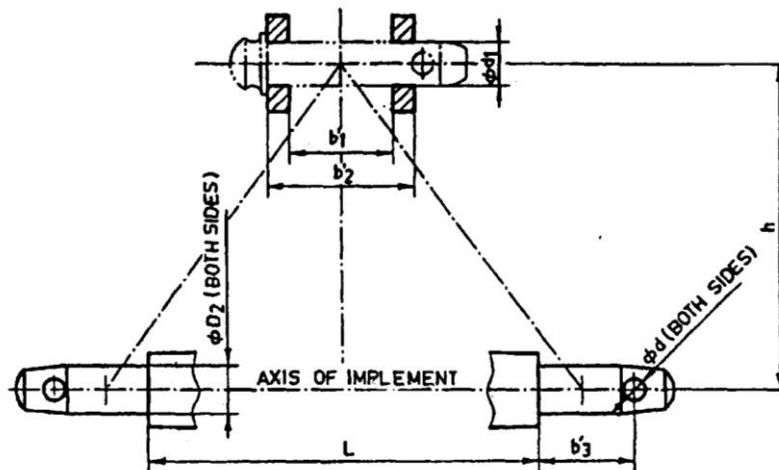
	d)	Vertical suction (mm)	:	
	e)	Horizontal suction (mm)	:	
	f)	Constructional details	:	
2.3.1	<b>Mould Board:</b>			
	a)	Numbers	:	
	b)	Type	:	
	c)	Material	:	
	d)	Dimensions (mm):		
	i	- Length	:	
	ii	- Width	:	
	iii	- Thickness	:	
	e)	No & size of hole on mould board (mm)	:	
	f)	Method of fixing mould board	:	
2.3.2	<b>Share:</b>			
	a)	Numbers	:	
	b)	Type	:	
	c)	Dimensions (mm)	:	
	d)	Angle of inclination of share along the direction of travel (deg.)	:	
	e)	No & size of holes on share (mm)	:	
	f)	Method of fixing share to the bottom	:	
2.3.3	<b>Share bar (Bar-point):</b>			
	a)	Numbers	:	
	b)	Type	:	
	c)	Material	:	
	d)	Dimensions (mm)	:	
2.3.4	<b>Shin of mould board:</b>			
	a)	Numbers	:	
	b)	Material & thickness (mm)	:	
	c)	No & size of hole on shin for fixing on frog	:	
2.3.5	<b>Landside:</b>			
	a)	Numbers	:	
	b)	Material	:	
	c)	Dimensions (mm)	:	
		- Length & Thickness	:	
	d)	No & size of hole on landside (mm)	:	
	e)	Method of fixing landside to frog	:	
2.3.6	<b>Braces:</b>			
	a)	Numbers	:	
	b)	Material & size (mm)	:	
	c)	Dimensions (mm)	:	
		- Projected length	:	

	d)	No. & size of hole on each brace (mm)	:	
	e)	Method of fixing	:	
2.3.7	<b>Frog:</b>			
	a)	Numbers	:	
	b)	Material	:	
	c)	Dimensions (mm)	:	
	d)	No. & size of holes on frog (mm)	:	
	i	-for mould board	:	
	ii	-for share	:	
	iii	-for standard	:	
	iv	-for landside	:	
	v	-for shin	:	
2.4	<b>Reversing Mechanism:</b>			
	a)	Type	:	
	b)	Mode of Operation	:	
2.4.1	<b>Reversing Lever:</b>			
	a)	Numbers	:	
	b)	Material	:	
	c)	Dimensions (mm)	:	
		-Projected/curved length	:	
		-Diameter	:	
	d)	Method of fixing	:	
2.4.2	<b>Reverse Lever:</b>			
	a)	Number	:	
	b)	Material	:	
	c)	Size (mm)	:	
	d)	Dia. of reverse lever holder pin hole (mm)	:	
	e)	Dia. of reverse lever holder hole (mm)	:	
	f)	Method of fixing	:	
2.4.3	<b>Reverse lever lock pin pipe:</b>			
	a)	Constructional detail	:	
	b)	Material	:	
	c)	Size (mm)	:	
2.4.3.1	<b>Reverse lever lock pin:</b>			
	a)	Material	:	
	b)	Size (mm)	:	
		-Size of square portion	:	
		-Size of extended portion	:	
2.4.3.2	<b>Reverse lever pin spring:</b>			
	a)	Number of spring	:	
	b)	Length of spring (mm)	:	
	c)	Dia. (OD/ID) (mm)	:	
	d)	No. of coils	:	
	e)	Method of fixing	:	
2.4.4	<b>Main shaft:</b>			
	a)	Constructional details	:	
	b)	Method of fixing	:	
2.5	<b>Hitch Pyramid:</b>			

	a)	Constructional details	:	
	b)	Size of upper hitch (mm)	:	
	c)	Size of cross bar (mm)	:	

**Specification of Hitch Pyramid As per IS: 4468-1997 (Part-I)**

Sr.	Dimension (Refer Fig.1)	Description	Measurement
<b>Upper Hitch attachments</b>			
1	$d_1$	Diameter of hitch pin hole	
2	$b'_1$	Width between inner faces of yoke	
3	$b'_2$	Width between outer faces of yoke	
<b>Lower hitch points</b>			
4	$D_2$	Dia. of hitch pin	
5	$b'_3$	Linch pin hole distance	
6	$l$	Lower hitch point span	
<b>Other dimensions</b>			
		Diameter of linch pin hole	
7	$d$	For upper hitch pin	
8		For lower hitch pin	
9	$h$	Mast height	



**Implement Hitch Attachment**

2.6	<b>Clutch assembly:</b>		
	a)	Constructional details	:
2.6.1	<b>Upper hitch point:</b>		
	a)	Material	:
	b)	Size (mm)	:
	c)	No. of holes on upper hitch point	:
	d)	Size of hole for fixing upper hitch point (mm)	:
	e)	Size of hole for fixing j-hook	:
	f)	Size of hole for fixing lever	:
	g)	Method of fixing	:
2.6.2	<b>J-hook:</b>		
	a)	Material	:

	b)	Size (mm)	:	
	c)	Dia. of hole for fixing j-hook (mm)	:	
	d)	Size of j-hook pin (mm)	:	
	e)	Method of fixing	:	
2.6.3	<b>Lever:</b>			
	a)	Material	:	
	b)	Size (mm)	:	
	c)	Size of hole for fixing with upper hitch	:	
	d)	Method of fixing	:	
2.6.4	<b>Adjusting grip:</b>			
	a)	Material	:	
	b)	Method of fixing:	:	
<b>3</b>	<b>Overall dimensions (mm) :</b>			
	a)	Length	:	
	b)	Width	:	
	c)	Height	:	
<b>4</b>	<b>Total mass (kg)</b>			
<b>5</b>	<b>Color of implement</b>			

Place:

Date:

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

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

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