



# FARM MACHINERY TESTING CENTRE

**Department of Agricultural Engineering,**  
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## SPECIFICATION SHEET OF TRACTOR MOUNTED HYDRAULIC REV. M. B. PLOUGH

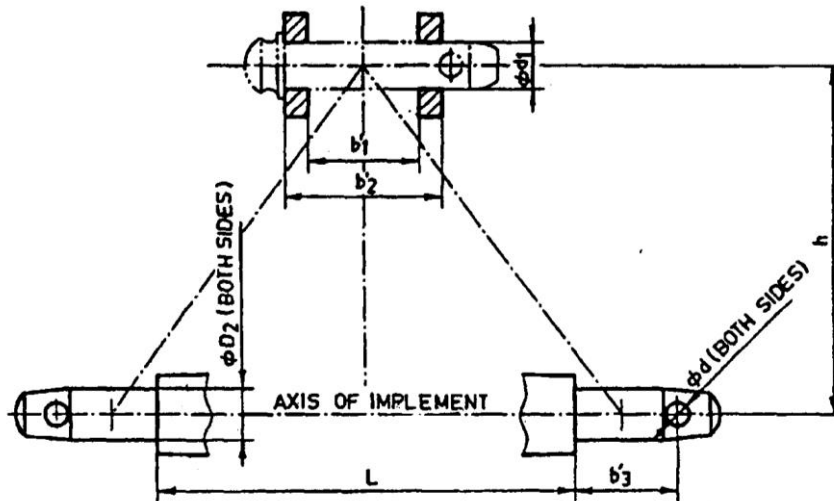
1.0	<b>General</b>		:	
	Name of machine		:	
	Name and address of manufacturer		:	
	Name and address of applicant		:	
	Selling price in India		:	
2.1	<b>Frame:</b>			
	a)	Constructional details	:	
	b)	Dimensions (mm):		
	i	Length	:	
	ii	Width -At front	:	
		-At rear	:	
	iii	Number & size of holes on frame for fixing standard (mm)	:	
2.2	<b>Standard:</b>			
	a)	Numbers	:	
	b)	Material	:	
	c)	Type	:	
	d)	Dimensions (mm)		
		- Projected length	:	
		- Curved length	:	
		- Width	:	
		- 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	:		
2.3	<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):		
		- Length	:	
		- Width	:	
	- Thickness	:		
	e)	No & size of hole on mould	:	

		board (mm)		
	f)	Method of fixing mould board	:	
2.3.2	<b>Share :</b>			
	a)	Type	:	
	b)	Constructional details	:	
	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)	Type	:	
	b)	Material	:	
	c)	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)	No. of braces	:	
	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>Main Shaft:</b>			
	a)	Constructional details	:	
2.4.2	<b>Cam:</b>			
	a)	Material	:	
	b)	Dimensions (mm)	:	
	i	-Total Length	:	
	ii	-Effective length	:	
	iii	-Width	:	
	iv	-Thickness	:	
	v	-Size of cam pin (mm)	:	
	vi	-Size of linch pin hole on cam pin	:	
2.4.3	<b>Hydraulic Cylinder:</b>			
	a)	Type	:	
	b)	Size of cylinder (mm)	:	
	c)	Size of high pressure pipe line fitted on the cylinder (mm)	:	
	d)	Size of piston (mm)	:	
	e)	Size of connecting arm (mm)	:	
	f)	Stroke length (mm)	:	
2.4.4	<b>Distributor:</b>		:	
	a)	Type	:	
	b)	Overall Size (mm)	:	
	c)	No. and size of hose pipes between tractor and distributor (mm)	:	
2.4.5	<b>Reversing Mechanism Lock</b>		:	
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
Upper Hitch attachments			
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	
Lower hitch points			
4	$D_2$	Dia. of hitch pin	
5	$b'_3$	Linch pin hole distance	
6	$l$	Lower hitch point span	
Other dimensions			
	Diameter of linch pin hole		
7	$d$	For upper hitch pin	
8		For lower hitch pin	
9	$h$	Mast height	



**Implement Hitch Attachment**

<b>3.0</b>	<b>Overall dimensions (mm) :</b>		
a)	Length	:	
b)	Width	:	
c)	Height	:	
<b>4.0</b>	<b>Total mass (kg)</b>	:	
<b>5.0</b>	<b>Color of implement</b>	:	

Place:

Date:

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

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

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