



**DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING
COLLEGE OF AGRICULTURAL ENGINEERING AND TECHNOLOGY
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SPECIFICATION SHEET OF TRACTOR MOUNTED HYDRAULIC REV. M. B. PLOUGH

1.0	General		:		
	Name of machine		:		
	Name and address of manufacturer		:		
	Name and address of applicant		:		
	Selling price in India		:		
2.1	Frame:				
	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	Standard:				
	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	Plough Bottoms:				
	a)	Numbers	:		
	b)	Type	:		
	c)	Size of plough (mm)	:		
	d)	Vertical suction (mm)	:		
	e)	Horizontal suction (mm)	:		
	f)	Constructional details	:		
2.3.1	Mould Board:				
	a)	Numbers	:		
	b)	Type	:		
	c)	Material	:		
	d)	Dimensions (mm):	:		

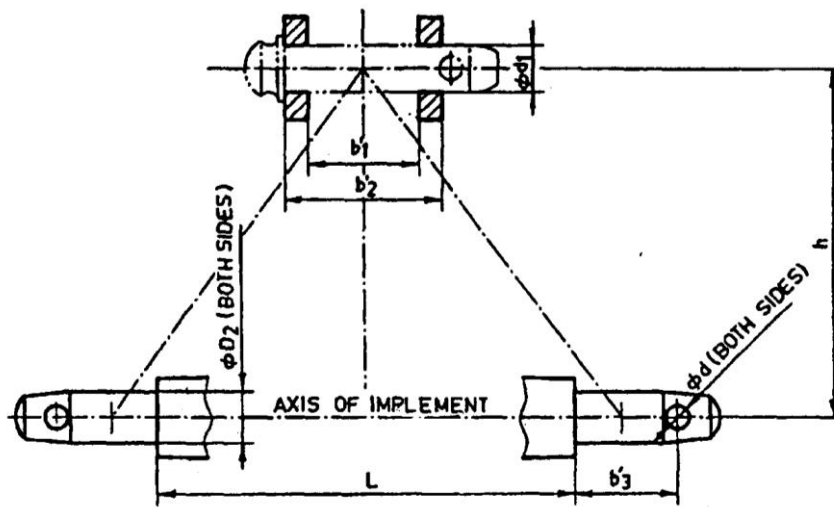
		- Length	:	
		- Width	:	
		- Thickness	:	
	e)	No & size of hole on mould board (mm)	:	
	f)	Method of fixing mould board	:	
2.3.2	Share:			
	a)	Type	:	
	b)	Constructional details	:	
	c)	Dimensions (mm)	:	
	d)	Angle of inclination of share along the direction of travel (deg.)	:	
	e)	No & size of holes on share (mm)	:	
	f)	Method of fixing share to the bottom	:	
2.3.3	Share bar (Bar-point):			
	a)	Type	:	
	b)	Material	:	
	c)	Dimensions (mm)	:	
2.3.4	Shin of mould board:			
	a)	Numbers	:	
	b)	Material & thickness (mm)	:	
	c)	No & size of hole on shin for fixing on frog	:	
2.3.5	Landside:			
	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	Braces:			
	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	Frog:			
	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	Reversing Mechanism:			
	a)	Type	:	
	b)	Mode of operation	:	
2.4.1	Main Shaft:			
	a)	Constructional details	:	
2.4.2	Cam:			
	a)	Material	:	
	b)	Dimensions (mm)		
	i	-Total Length	:	
	ii	-Effective length	:	
	iii	-Width	:	
	iv	-Thickness	:	
	v	-Size of cam pin (mm)	:	
	vi	-Size of lynch pin hole on cam pin	:	
2.4.3	Hydraulic Cylinder:			
	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	Distributor:		:	
	a)	Type	:	
	b)	Overall Size (mm)	:	
	c)	No. and size of hose pipes between tractor and distributor (mm)	:	
2.4.5	Reversing Mechanism Lock		:	
2.5	Hitch Pyramid:			
	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	Lynch pin hole distance	
6	l	Lower hitch point span	
Other dimensions			
	Diameter of lynch pin hole		
7	d	For upper hitch pin	
8		For lower hitch pin	

9	h	Mast height	
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Implement Hitch Attachment

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

Place:
Date:

Signature: _____

Name : _____

Designation: _____