
	<p align="center">DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING COLLEGE OF AGRICULTURAL ENGINEERING AND TECHNOLOGY CCS HARYANA AGRICULTURAL UNIVERSITY HISAR-125004, HARYANA</p>	
Phone:01662-255447	e-mail: fpm@hau.ernet.in http://hau.ernet.in hau.machinerytesting@gmail.com	

**SPECIFICATION SHEET OF TRACTOR MOUNTED MECHANICALLY REVERSIBLE
MOULD BOARD PLOUGH**

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

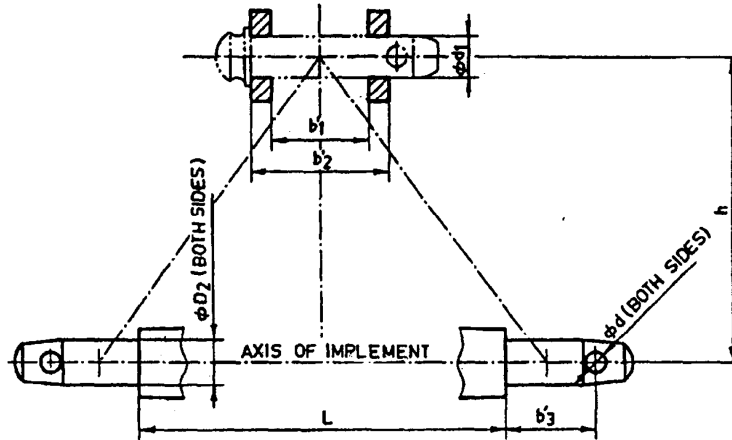
2.3.1	Mould Board:		
	a)	Numbers	:
	b)	Type	:
	c)	Material	:
	d)	Dimensions (mm):	:
	i	- Length	:
	ii	- Width	:
	iii	- Thickness	:
	e)	No & size of hole on mould board (mm)	:
	f)	Method of fixing mould board	:
2.3.2	Share:		
	a)	Numbers	:
	b)	Type	:
	c)	Dimensions (mm)	:
	d)	Angle of inclination of share 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	Share bar (Bar-point):		
	a)	Numbers	:
	b)	Type	:
	c)	Material	:
	d)	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)	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	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	Reversing Lever:			
	a)	Numbers	:	
	b)	Material	:	
	c)	Dimensions (mm)		
		-Projected/curved length	:	
		-Diameter	:	
	d)	Method of fixing	:	
2.4.2	Reverse Lever:			
	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	Reverse lever lock pin pipe:			
	a)	Constructional detail	:	
	b)	Material	:	
	c)	Size (mm)	:	
2.4.3.1	Reverse lever lock pin:			
	a)	Material	:	
	b)	Size (mm)	:	
		-Size of square portion	:	
		-Size of extended portion	:	
2.4.3.2	Reverse lever pin spring:			
	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	Main shaft:			
	a)	Constructional details	:	
	b)	Method of fixing	:	
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	$b\phi$	Width between inner faces of yoke	
3	$b\phi_2$	Width between outer faces of yoke	

Lower hitch points			
4	D_2	Dia. of hitch pin	
5	$b\phi_3$	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

2.6	Clutch assembly:		
	a) Constructional details	:	
2.6.1	Upper hitch point:		
	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	J-hook:		
	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	Lever:		
	a) Material	:	
	b) Size (mm)	:	
	c) Size of hole for fixing with upper hitch	:	
	d) Method of fixing	:	
2.6.4	Adjusting grip:		
	a) Material	:	

	b)	Method of fixing:	:	
3	Overall dimensions (mm) :			
	a)	Length	:	
	b)	Width	:	
	c)	Height	:	
4	Total mass (kg)		:	
5	Color of implement		:	

Place:

Date:

Signature: _____

Name : _____

Designation: _____