



**DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING
COLLEGE OF AGRICULTURAL ENGINEERING AND TECHNOLOGY
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SPECIFICATION SHEET OF TRACTOR OPERATED DISC 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) Type and material	:	
	b) Size of angle section, mm	:	
	Left gang		
2.2	Disc flange holder:		
	a) Type and material	:	
	b) Size of angle section, mm	:	
2.3	Scraper assembly:		
	a) Type and material	:	
	b) Number	:	
	c) Size of scraper (mm)	:	
	d) Location	:	
	e) Method of fixing	:	
	f) Adjustment	:	
2.4	Adjustment lever:		
	a) Type and material	:	
	b) Length of shaft (mm)	:	
	c) Dia. of shaft (mm)	:	
	d) Length of threaded portion (mm)	:	
	e) Dia. of threaded portion (mm)	:	
	f) Method of fixing		
	g) Adjustment		
2.5	Furrow wheel:		
	a) Number	:	
	b) Type and material	:	
	c) Size	:	
	d) Method of fixing	:	
	e) Adjustment		
2.6	Land wheel:		
	a) Number	:	
	b) Type and material	:	
	c) Size	:	
	d) Method of fixing	:	
	e) Adjustment		
2.7	Loading platform:		
	a) Type and material	:	
	b) Size	:	
	c) Method of fixing	:	
	d) Adjustment	:	
2.8	Loading mass:		
	a) Type and material	:	

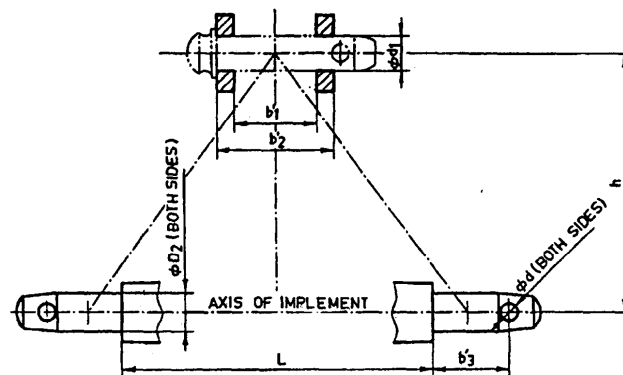
	b)	Size	:	
	c)	Method of fixing	:	
	d)	Adjustment	:	
2.9	Concave disc:			

Sr.	Specification	Size
1	Type	
2	Make	
3	Material	
4	Dia. of disc (mm)	
5	Concavity (mm)	
6	Bevel angle	
7	Width of bevel edge (mm)	
8	Thickness of disc (mm)	
9	Thickness of bevel edge (mm)	
10	Type of centre hole	
11	Size of center hole (mm)	
12	Size of key hole (mm)	
13	Method of fixing	

2.10	Type of hitch and its details :			
	a)	Type and material	:	
	b)	Shape	:	

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

2.11	Arrangement of transport	:	
3	Overall dimensions (mm) :		
	a)	Length	:
	b)	Width	:
	c)	Height	:
	d)	Mass, (kg)	:
4	Color of implement		:
5	Material used		

Sr.	Name of components	Material
1	Frame	
2	Disc flange holder	
3	Scraper	
4	Adjustment lever	
5	Furrow wheel	
6	Land wheel	
7	Loading platform	--
8	Cross bar /hitch	
9	Loading mass	
10	Hitch pin	

Place:

Date:

Signature: _____

Name : _____

Designation: _____