DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING
COLLEGE OF AGRICULTURAL ENGINEERING AND TECHNOLOGY
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SPECIFICATION SHEET OF MULCHER

1.0	**General:**			
	a)	Name	:	
	b)	Address of manufacturer	:	
	c)	Address of applicant	:	
	d)	Type	:	
	e)	Make	:	
	f)	Serial Number	:	
	g)	Model	:	
	h)	Year of manufacture	:	
	i)	Different seeds which the drill is designed to sow	:	
	j)	Source of power	:	
	k)	Recommended traveling speed of the drill	:	
	l)	Recommended power of tractor, if tractor operated	:	
2.0	**Drive shaft/propeller shaft**			
	a)	Type	:	
	b)	No. of pieces	:	
	c)	No. of splines	:	
	d)	Length (adjustable), mm Minimum Maximum	:	
	e)	Weight, kg	:	
2.1	**Auxiliary drive shaft**			
	a)	Type	:	
	b)	Size of shaft, mm Length Dia	:	
	c)	No. of splines	:	
	d)	Method of fixing	:	
	e)	No. and type of bearing	:	
	f)	Safety device, if any	:	
2.2	**Gear box**			
	a)	Type		
	b)	No. of teeth on gears		

		Drive Driven		
	c)	Length of splines, mm		
	d)	Number of splines		
	e)	Gear ratio		
	f)	Oil capacity, l		
	g)	Method of driving arrangement and location.		
	h)	No. and bearings		
2.2		**SIDE SUPPORT**		
	a)	Type of frame	:	
	b)	Thickness of plate, mm	:	
	c)	Method of fixing to main frame	:	
2.3	**SHIELD (TOP COVER)**			
	a)	Type	:	
	b)	Size of shield, mm	:	
	c)	Thickness of sheet, mm	:	
	d)	Method of fixing to main frame	:	
2.4	**TRAILING BOARD**		:	
2	**ROTOR SHAFT**			
	a)	Type	:	
	b)	Length of shaft, mm • Ground wheel side • Opposite to ground wheel side • Dia. of shaft	:	
	c)	Size of rotor pipe, mm	:	
	d)	Method of mounting blades on shaft	:	
	e)	No. of blades on shaft	:	
	f)	Dia of rotor with blades, mm	:	
	g)	Tractor PTO rpm corresponding to 1700 rpm of engine (on load)	:	
	h)	Rotation of rotor shaft corresponding to 540 rpm of PTO shaft, rpm	:	
2.6	**ROTOR BLADE**			
	a)	Number	:	
	b)	Type	:	
	c)	Overall thickness, mm	:	
	d)	Thickness at tip, mm	:	
	e)	Method of mounting blades on rotor pipe	:	
	f)	Size of bolt, mm • Length • Diameter • Pitch	:	
	g)	Size of spacer, mm • Length • Diameter (Inner/Outer)	:	
	h)	Distance between two adjacent blades, mm	:	
	i)	Peripheral speed of rotor blades (m/sec)	:	
	j)	Speed index	:	
	k)	Blade bracket size, mm	:	

	l)	Method of arrangement of blade on rotor shaft	:	
	m)	Clearance of blade from the tip of the blade to ground, mm	:	
2.7	**Power Transmission System**			
	a)	Method of depth control adjustment	:	
2.16	**Three point linkage**			
	a)	Type	:	
	b)	Specifications of Hitch pyramid	:	As per IS:4468 Part-I, 2001 (Cl.5.1) & Part-II, 1998 (Cl.5.1) (All dimensions are in mm)

Sr.	**Dimension**	**Description (Refer Fig.)**	**Dimension in mm**
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	

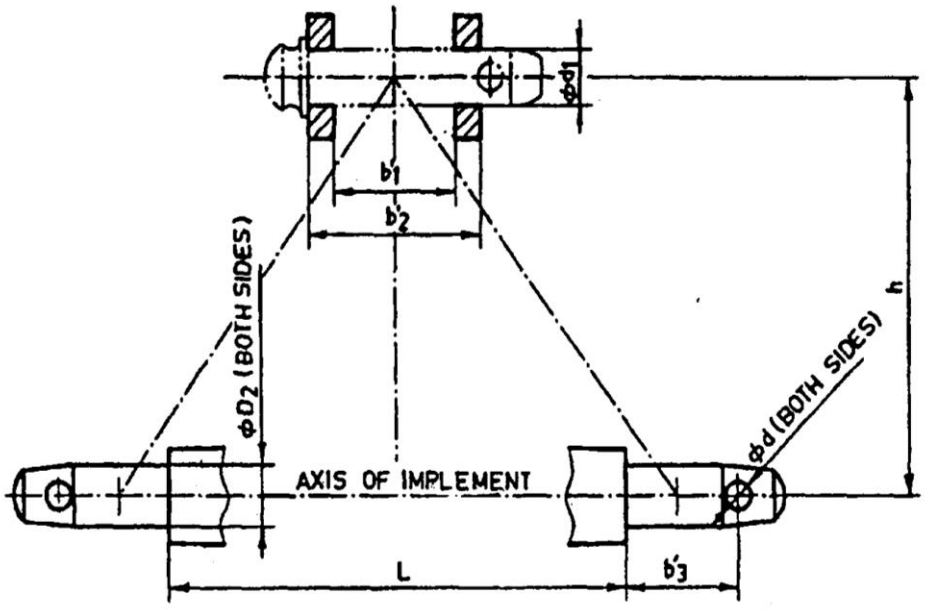

Fig. : Implement Hitch Attachment

2.20	**Overall dimensions (mm) :**			
	a)	Length	:	
	b)	Width	:	
	c)	Height	:	
	d)	Ground clearance	:	

Place:
Date:

Signature : ___________________________

Name : ___________________________

Designation: ___________________________