



**Farm Machinery Testing and Training Centre**  
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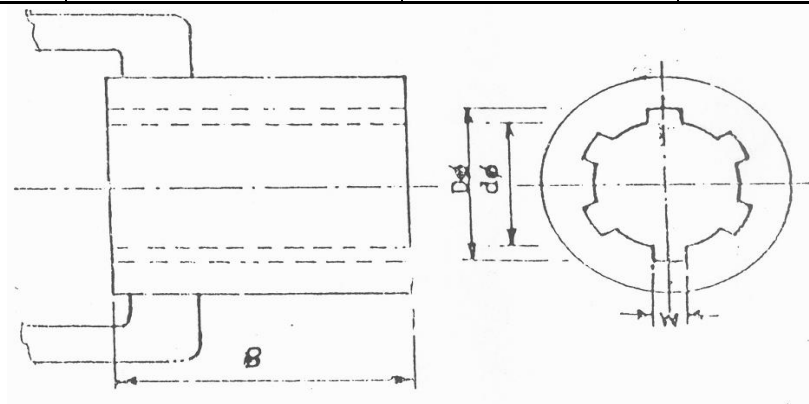
**SPECIFICATION SHEET OF TRACTOR OPERATED CROP DUSTER**

<b>1</b>	<b>General</b>		
	Name and address of manufacturer	:	
	Name and address of applicant	:	
	Name of machine	:	
	Type	:	
	Make	:	
	Model	:	
	Batch No/Code No.	:	
	Capacity of duster, kg	:	
	Serial No.	:	
	Output capacity, kg/min	:	
	Year of manufacture	:	
	Mass, kg	:	
<b>2</b>	Recommended power source	:	
	Prime mover used, kW	:	
<b>3</b>	<b>Power Transmission</b>		
	Method of transmission	:	
<b>3.1</b>	<b>Propeller shaft</b>		
	Type	:	
	Length of shaft, mm		
	Maximum	:	
	Minimum	:	

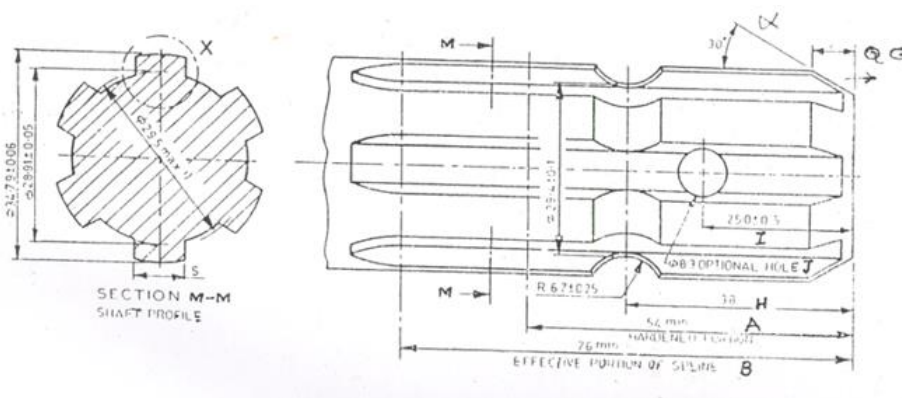
Mass of shaft, kg	:	
Provision of locking	:	

**Hub Dimension, mm Refer Fig 1 as per IS 4931:1995,**

Notations	As per IS:4931:1995, mm	As observed, mm	Remarks
Dφ	34.93 ± 0.03		
dφ	29.7 ± 0.7		
W	8.69 (Min)		
B	--		



**Fig 1 Hub dimensions, mm**



**Fig 2 Dimensions of splined end of PTO shaft, mm**

Specification	As per IS: 4931-2004	As observed, mm	Remarks

	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
	D $\phi$	34.79 $\pm$ 0.06		
	d $\phi$	28.91 $\pm$ 0.05		
	B $\phi$	29.4 $\pm$ 0.1		
	S	8.69		
	R	6.7 $\pm$ 0.25		
	$\alpha$	30°		
	G	7		
	H	38		
	A	54 (Min.)		
	B	76 (Min.)		
	I	25 $\pm$ 0.5		
	J (optional hole)	8.3		
<b>4</b>	<b>Frame</b>			
	Material	:		
	Shape	:		
	Size, mm (L x B x H)	:		
<b>5</b>	<b>Hopper</b>			
	Material	:		
	Shape	:		
	Size, mm (W x H)	:		
	Thickness of sheet, mm	:		
	Capacity, kg	:		
<b>6</b>	<b>Feed control device</b>			
	Type	:		
	Material	:		
	Shape	:		
	Size, mm (L x B x T)	:		
<b>7</b>	<b>Fan (Impeller)</b>			
	Type	:		
	Material	:		
	Size, mm (Diameter & thickness)	:		
	No. of blades	:		
	Diameter & length of hub, mm	:		

<b>8</b>	<b>Agitator</b>		
	Type	:	
	Material	:	
	No. of agitator	:	
	Size, mm	:	
	Nos. & diameter of stud, mm	:	
<b>9</b>	<b>Main shaft</b>		
	Material	:	
	Diameter & Length, mm	:	
<b>10</b>	<b>Belt and pulley drive</b>		
	Type of pulley	:	
	Size of drive pulley, mm	:	
	Size of driven pulley, mm	:	
	Speed ratio	:	
	Type of bearing	:	
	Nos. & size of bearing, mm	:	
<b>11</b>	<b>Coupling hose</b>		
	Material	:	
	Size (diameter & Length), mm	:	
<b>12</b>	<b>Delivery pipe</b>		
	Material	:	
	Type	:	
	Size (diameter & Length), mm	:	

13	Hitch pyramid				
	Sr. No.	Notations	As per IS: 4468-2001 (Cat-I/Cat-II), mm	As measured, mm	Remarks
	<b>I</b>	<b>Upper hitch point</b>			
	a)	Diameter of hitch pin (A)	18.92 to 19.00/ 25.37 to 25.50		
	b)	Diameter of hitch pin hole (B)	19.3 to 19.5/ 25.70 to 25.91		
	c)	Linch pin hole distance (D)	76/93 (Min.)		
	d)	Width between outer faces of yoke (E)	69/86 (Max.)		
	e)	Width between inner faces of yoke (F)	44.5/52 (Min)		
	<b>II</b>	<b>Lower hitch points</b>			
	a)	Diameter of hitch pin	21.80 to 22.01/ 27.8 to 28.0		
	b)	Diameter of hitch pin hole (H)	22.40 to 22.65/ 28.70 to 29.00		
	c)	Linch pin hole distance (K)	39/49 (Min.)		
	<b>III</b>	<b>Diameter of linch pin hole</b>			
	a)	Upper hitch pin (L)	12/12 (Min.)		
	b)	Lower hitch pin (L)	12/12 (Min.)		
	<b>IV</b>	<b>Mast height (M)</b>			
	<b>V</b>	<b>Lower hitch point spans (N)</b>			
			458.5 to 461.5/ 608.5 to 611.5		
			681.5 to 684.5/ 823.5 to 826.5		

<b>14</b>	<b>Overall dimensions, mm</b>		
	Length	:	
	Width	:	
	Height	:	
	Weight	:	
<b>15</b>	<b>Marking and packing</b>		
	Manufacturer's name or recognized trademark, if any		
	Batch and code number		
	Hopper nominal capacity		

Place:

Date:

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

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

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