

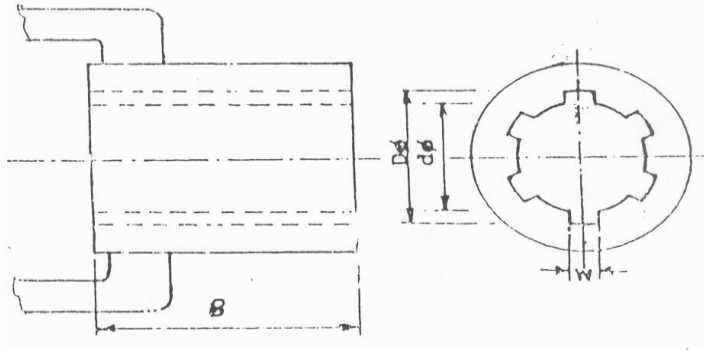


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SPECIFICATION SHEET OF
TRACTOR OPERATED MAIZE SHELLER

1.1	General		
	Name of Manufacturer/ applicant and Address	:	
	Type	:	
	Make	:	
	Model	:	
	Year of manufacturer	:	
1.2	Main Frame		
	Type	:	
	Size, mm	:	
	Constructional details:		
1.3	Platform		
	Type	:	
	Number of platform, Nos.	:	
	Material	:	
	Size, mm	:	
1.4	Power unit		
	Provision	:	
	Type of prime mover	:	
	Recommended power, hp	:	
	Type of drive	:	

1.5	Main Drive		
	Method of transmission	:	
1.5.1	Propeller shaft		
	Type	:	
	Length of shaft, mm		
	Maximum	:	
	Minimum	:	
	Mass of shaft, kg	:	
	Provision of locking	:	
	Hub Dimension, mm Refer Fig1 As per IS 4931:1995		
	Notations	As per IS:4931:1995, mm	As observed, mm
	D ϕ	34.93 \pm 0.03	
	d ϕ	29.7 \pm 0.7	
	W	8.69 (Min)	
	B	--	
			
	Fig 1 Hub dimensions, mm		

1.5.2 Splined end of pinion shaft

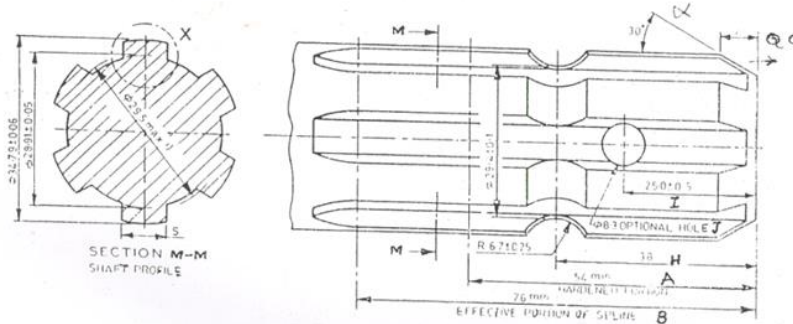
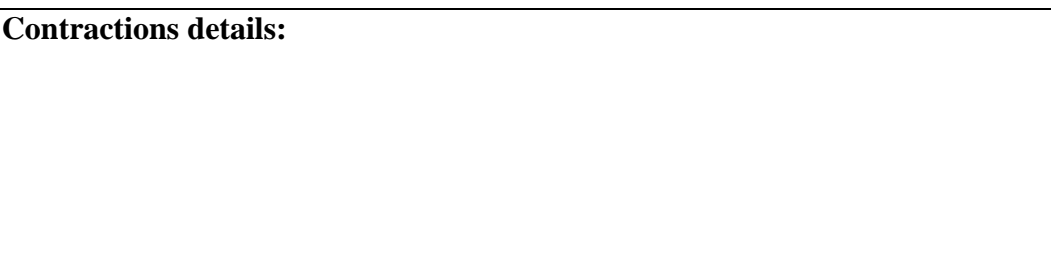


Fig 2 Dimensions of splined end of pinion shaft, mm

	Specification	As per IS: 4931-2004	As observed	Conformity to IS
	D ϕ	34.79 \pm 0.06		
	d ϕ	28.91 \pm 0.05		
	B ϕ	29.4 \pm 0.1		
	S	8.69		
	R	6.7 \pm 0.25		
	α	30°		
	G	7		
	H	38		
	A	54 (Min.)		
	B	76 (Min.)		
	I	25 \pm 0.5		
	J (optional hole)	8.3		
1.6	Main drive			
	Type	:		
	Nos. & Size of belt	:		
	Size of pulley (Driving), mm	:		
	Size of pulley (Driven), mm	:		
	Diameter of main shaft, mm	:		

1.7	Shelling Unit		
	Type	:	
	Constructional features		
	Diameter, mm	:	
	Width, mm	:	
	Recommended speed, rpm	:	
	Number and size of beaters/projections/ bars, mm	:	
1.8	Concave		
	Type	:	
	Diameter, mm	:	
	Length, mm		
	Concave clearance range, mm	:	
	Recommended concave clearance, cm	:	
	Clearance adjustment provision	:	
1.9	Sieve		
	Type	:	
	Number	:	
	Total length and width, mm	:	
	Effective length and width, mm	:	
	Number of holes per cm ²		
	Size of hole, mm	:	
	Sieve clearance, mm	:	
	Screen pitch range	:	
	Recommended screen pitch	:	

1.10	Shaker		
	Type	:	
	Number of strokes per minute	:	
1.11	Blower		
	Number	:	
	Type	:	
	Number of blades	:	
	Size of blades, mm	:	
	Diameter, mm	:	
	Recommended speed, rpm	:	
	Recommended air displacement	:	
	Provision for changing air displacement	:	
1.12	Ring-type hitching system for trailing		
	<p>Contractions details:</p>  <p>Fig 3 Hitch pin</p>		
1.13	Elevator		
	Type	:	
	Capacity, kg/h	:	
	Grain spout size, mm	:	
	Height above ground level, mm	:	
1.14	Hopper		
	Type	:	
	Capacity, kg	:	
	Method of feeding	:	
	Recommended maximum feed rate	:	

1.15	Transport		
	Type	:	
	Number of wheels, Nos.	:	
	Size of wheels, inch	:	
1.16	Parking Stand:		
	Numbers of stand, Nos.	:	
	Size, mm	:	
	Nos. of holes and distance between two holes, mm	:	
1.17	Flywheel		
	Number	:	
	Size, mm	:	
	Mass, kg	:	
1.18	Overall dimensions		
	Length, mm	:	
	Width, mm	:	
	Height, mm	:	
	Total mass, kg	:	
1.19	Tools, Accessories and Manuals provided	:	
1.20	Figures:		

Place:

Date:

Signature : _____

Name : _____

Designation: _____