



भारत सरकार / Government of India

उत्तरीक्षेत्रकृषिमशीनरीप्रशिक्षणएवंपरीक्षणसंस्थान / Northern Region Farm Machinery Training and Testing Institute

ट्रैक्टरनगर, सिरसारोड, हिसार) हरियाणा (/Tractor Nagar, Sirsa Road, Hisar (Haryana)- 125 001

Website: <http://nrfmtti.gov.in> E-mail: [fmti-nr@nic.in](mailto:fmti-nr@nic.in) Tel./Fax: 01662276984 GSTIN:06AAAAGN0273PIZ3

[ ISO - 9001 : 2015 CERTIFIED ]

## TECHNICAL SPECIFICATIONS OF FIXED AND MANUAL/HYDRAULICALLY REVERSIBLE MOULD BOARD PLOUGH

4.1	<b>General:</b>	
	Name of implement	:
	Name & address of manufacturer	:
	Name & address of applicant	:
	Type of implement	:
	Make	:
	Model	:
	Brand Name	:
	Year of manufacture	:
	Country of origin	:
	Serial No	:
	No. of plough bottoms	:
	Size of plough, mm	:
Recommended source of power, kW	:	
4.2	<b>Prime mover used:</b>	
	<b>Tractor used during test (details as per labeling plate):</b>	
	Make	:
	Model	:
	Month and year of manufacture	:
	Engine serial No	:
	Chassis Serial No	:
	Max P.T.O. power, kW	:
Specific fuel consumption corresponding to maximum power, g/kWh	:	
4.3	<b>Constructional details:</b>	
4.3.1	<b>Main Frame:</b>	
	Constructional details	:
	Dimensions, mm	:
	Material & size, mm	:
	Number; size & spacing of holes on main frame for fixing each standard, mm	:

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<b>4.3.2</b>	<b>Standard:</b>	
	Numbers	:
	Material & size, mm	:
	Dimensions, mm	:
	- Effective length of each standard	:
	- Thickness of standard flats	:
	No., size & spacing of holes on each standard for fixing frog, mm	:
Method of fixing	:	
<b>4.3.3</b>	<b>Plough Bottoms:</b>	
	Constructional details	:
	Numbers	:
	Type	:
	Size of bottom, mm	:
	Vertical suction, mm	:
Horizontal suction, mm	:	
<b>4.3.3.1</b>	<b>Mould Board:</b>	
	Type	:
	Material	:
	Perimeter, mm	:
	No. & size of holes on each mould board, mm	:
	No. size & type of bolts:	
	- for share point	:
	- for frog	:
- for brace	:	
Method of fixing	:	
<b>4.3.3.2</b>	<b>Mould board extensions (if applicable):</b>	
<b>4.3.3.2.1</b>	<b>Rear Extension</b>	
	Type	:
	Material	:
	Perimeter, mm	:
	Thickness, mm	:
No. and size of holes, mm	:	
<b>4.3.3.2.2</b>	<b>Front Extension:</b>	
	Type	:
	Material	:
	Perimeter, mm	:
	Thickness, mm	:
No. and size of holder, mm	:	
<b>4.3.3.3</b>	<b>Shin:</b>	
	Type	:
	Material	:
	Perimeter, mm	:
	Thickness, mm	:
Method of mounting	:	

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<b>4.3.3.4</b>	<b>Share:</b>		
	Type	:	
	Material	:	
	Constructional details	:	
	Dimensions, mm	:	
	No. & size of holes on share, mm	:	
	Method of fixing	:	
<b>4.3.3.5</b>	<b>Share Bar:</b>		
	Type	:	
	Material	:	
	Size, mm	:	
	Dimensions, mm	:	
	Method of fixing	:	
<b>4.3.3.6</b>	<b>Land Side:</b>		
	Number	:	
	Material	:	
	Thickness, mm	:	
	<b>Dimensions (mm):</b>		<b>Front</b>
	-Length	:	
	-Width	:	
	-Height	:	
	Method of fixing	:	
<b>4.3.3.7</b>	<b>Braces:</b>		
	Numbers	:	
	Type	:	
	Material	:	
	Size, mm	:	
	No. & size of holes for each brace, mm	:	
	Length, mm	:	
	Method of fixing	:	
<b>4.3.3.8</b>	<b>Frog:</b>		
	Numbers	:	
	Material	:	
	Constructional Details	:	
	No. & size of holes on frog, mm	:	
	-for mould board	:	
	-for share	:	
	-for standard	:	
<b>4.3.4</b>	<b>Reversing Mechanism (if applicable):</b>		
	Type	:	
	Method of operation	:	
<b>4.4</b>	<b>Hydraulic pipe details (if applicable):</b>		
	Make	:	
	Diameter (OD), mm	:	
	Length, mm	:	
	Size of adopter/coupler Dia., mm	:	

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<b>4.5</b>	<b>Ram Cylinder details (if applicable):</b>	
	Overall length, mm	:
	Piston diameter, mm	:
	Stroke length, mm	:
	Distance between hole to hole, mm	:
	Outer dia. of cylinder, mm	:
	Inner dia. of cylinder, mm	:
	Piston (rod) dia., mm	:
	Length of piston (rod), mm	:
	<b>Make &amp; model of hydraulic components:</b>	
	-Distributor	:
	-Control valve unit	:
	-Cylinder & piston	:
	-Pipe line	:
-Adopter/Coupler	:	
<b>4.7</b>	<b>Main Shaft:</b>	
	Construction details	:
	Method of Fixing	:
<b>4.8</b>	<b>Hitch Pyramid:</b>	
	Construction Details	:
<b>5</b>	<b>Overall dimensions (mm):</b>	
	Length	:
	Width	:
	Height	:
<b>6</b>	Mass, kg	:
<b>7</b>	Colour	:
<b>8</b>	<b>Labeling plate details:</b>	

Date:  
Place:

Signature:  
Name of signatory:  
Designation:  
Name & address of firm:

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