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कृषि एवं किसान कल्याण मंत्रालय
Ministry of Agriculture and Farmers Welfare
कृषि, सहकारिता एवं किसान कल्याण विभाग
Department of Agriculture, Cooperation and Farmers Welfare
उत्तर पूर्वी क्षेत्र कृषि यंत्र प्रशिक्षण एवं परीक्षण संस्थान,
FARM MACHINERY TRAINING & TESTING INSTITUTE (NER)
बिश्वनाथ चारिआलि, बिश्वनाथ – असम
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SPECIFICATION SHEET OF CULTIVATOR (TRACTOR DRAWN)

1. **General: -**
- 1.1 Manufacturer :
- 1.2 Name of applicant :
- 1.3 Name of machine :
- 1.4 Make :
- 1.5 Serial number :
- 1.6 Year of manufacture :
2. **Size of Cultivator (mm) :**
- 2.1 Power source :
- 2.2 Recommended Power- kW (Ps):
- 2.3 Type of soils recommended for :
3. **Constructional Details :-**
- 3.1 **Main Frame Details** :
- 3.2 Material :
- 3.3 Dimensions of frame (mm) :
- 3.4 No & size of horizontal channels (mm) :

- 3.5 Length of channel (mm) :
- 3.6 No. & size of cross member (mm):
- 3.7 Length of cross members (mm):

4. Springs:-

- 4.1 Material :
- 4.2 No & type of springs :

5. Specification details of spring coil are given below as per IS: 6638- 1972 (Specification for tractor mounted spring loaded cultivators) :-

Sl.No.	Parameters	Dimensions (mm)		Conformity to IS
		AS per IS	As measured	
1	Dia. Of spring wire (A)			
2	Length of the spring (B)			
3	Inner dia. Of spring ©			
4	Outer dia. Of spring (D)			
5	No. of coils			
6	Spring index			

6. Tyne: -

- 6.1 Material :
- 6.2 Number of tines :
- 6.3 Type :
- 6.4 **Dimensions (mm): -**
- 6.4.1 Projected length :
- 6.4.2 Width at top :
- 6.4.3 Width at bottom (Between holes of shovel) :
- 6.4.4 Thickness at top :
- 6.4.5 Thickness at bottom :

7. Shovel (Furrow openers): -

- 7.1 Material :
- 7.2 No. of Shovels (Furrow openers) :

7.3 Type :

7.4 Method of fixing :

8. Specification for Shovels (Furrow openers)

Sl. No.	Notations	Dimensions (mm)		Conformity to IS
		As per IS	As measured	
1	A			
2	B			
3	C			
4	D			
5	E			
6	α			
7	β			

9. Three point linkage: -

Sl. No.	Specifications	Dimension (mm)		Remarks
		As per IS	As measured	
1.	Upper hitch points (Cat.I / Cat.II) :-			
	A. Dia. of pin hole			
	B. Width between outer surfaces of yoke			
	C. Width between inner surfaces of hole			
2.	Lower hitch point (Cat.I / Cat.II) :-			
	D. Dia. of hitch pin			
	E. Dia. of hitch pin hole			
	F. Linch pin hole distance			
	G. Dia. of linch pin hole			
3.	Mast height			
4.	Lower hitch point span			

Place

Signature

Date :

Name of the : -----

Signatory

Designation : -----

Address : -----