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SPECIFICATION SHEET OF TRACTOR DRAWN SEED CUM FERTILIZER DRILL

1	General		
1	General		
	Name and address of the	:	
	manufacturer		
	Name and address of the	:	
	applicant		
	Name		
	Туре	:	
	Make	:	
	Wake	•	
	Serial	:	
	Model		
	Model	:	
	Year of manufacture	:	
	Different seeds which the	:	
	drill is designed to sow.	•	
		:	
	Recommended power source	•	
	Min. power required, kW	:	
	Recommended travelling		
		:	
	speed of the drill		
	Recommended power of	•	
	tractor (if tractor operated)	•	
	auctor (if tructor operated)		
	Location of fertilizer outlet	:	
	in relation to seed outlet.		

2 Furrow openers

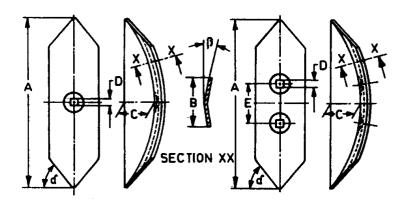


Fig.1 Furrow openers (As per IS6813:2000)

Туре	:	

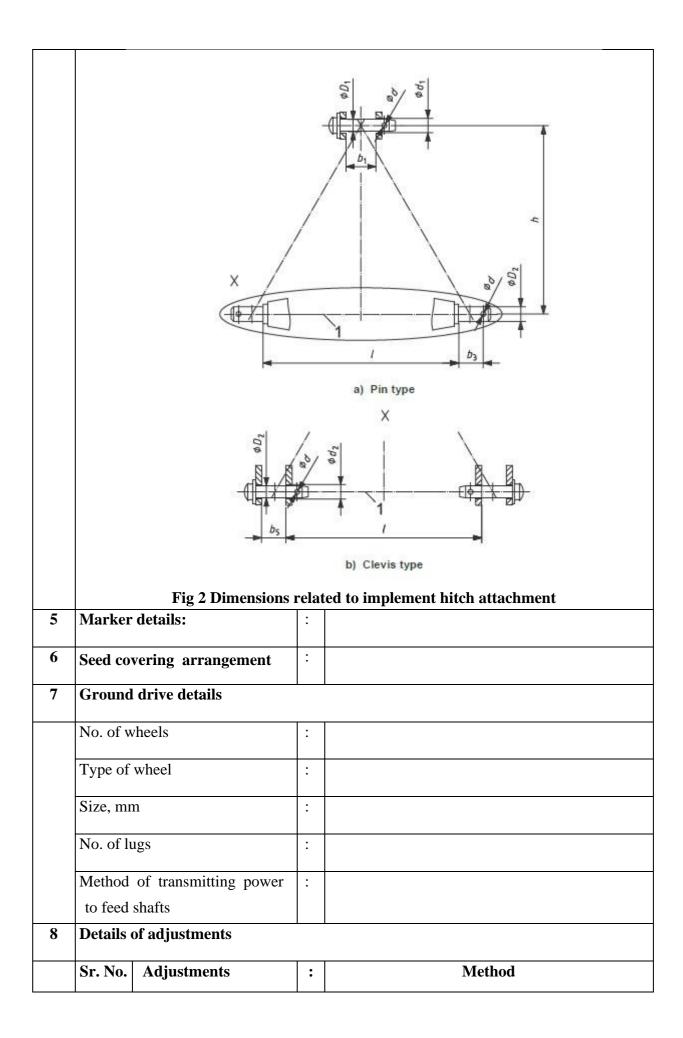
Specification of shovel as per IS: 6813: 2000

Sr. No	Notation	As per IS, mm	As observed, mm	Conformity to IS
1	A	150 ± 2 or 170 ± 2 or 180 ± 2		
2	В	35± 2 or 45± 2		
3	С	$25 \pm 1 \text{ or } 30 \pm 1$		
4	D	11.5 ± 0.5		
5	Е	45 ± 0.5		
6	α	45 ± 5 , degree		
7	В	10-20		

Type and tilt angle with	:		
respect to vertical			
No. of openers	:		
Arrangement of openers			
Range if selection of opener	rs :		
Method of changing row sp and range	pace :		
Nominal width, cm	:		
Lifting and lowering of ope	ners :		

	Depth control	:				
	Fertilizer placement with	:				
	respect to seeds.					
3	Metering mechanism					
	Seed metering device:					
	Туре	:				
	Size of feed shaft, mm	:				
	Size (dia. mm) and number of	:				
	fluted rollers					
	Source of power	:				
	(ground wheel or other)					
	Transmission ratio of shaft of	:				
	seed metering device to land					
	wheel axle					
	Type of agitator	:				
	Method of feed rate control for	:				
	different sizes of seeds					
	Provision for closing seed	:				
	discharge.					
	Fertilizer distributor	:				
4	Hopper	•				
	Capacity, kg	:				
	1) Seed box	:				
	2) Fertilizer box	:				
	b) Type of seed hoppers	:				
	c) Type of fertilizer hoppers	:				
5	Implement hitch point as per IS					
	Туре	:				

Construc	ctional details	:		
Sr. No.	Notations	As per IS: 17231:2019 (1N, 1, /2N, 2), mm	As measured, mm	Remarks
I	Upper hitch point			
D_1	Diameter of hitch pin	19 (0-0.08)/		
		25.5 (0-0.13)		
b_1	Width between inner faces of yoke	52 (Min.)		
II	Lower hitch points	1		•
D_2	Diameter of hitch pin	22 (0-0.2)/		
		28 (0-0.2)		
b ₃	Linch pin hole distance	49 (Min.)		
b ₅	Clevis width	65+20		
1	Lower hitch point span	400±1.5,		
		683±1.5,		
		683±1.5,		
		825±1.5		
III Other dimensions				
d	Diameter for linch pin he	1		
	Upper hitch pin	12 (min.)		
_	Lower hitch pin	12 (min.)		
h	Mast height	360±1.5		
		460±1.5		
		610±1.5		
		610±1.5		



	1	Feed rate	:			
	2	Spacing of fu	rrow :			
	3	Depth of sowing	:			
	4	Height of covered	ering :			
	5	Reduction ratio of mechanism	drive :			
9	Details	of safety arranger	ment			
	for rota	ating parts				
10	Overall	dimensions	:			
	(L x B x H), mm					
	Weight with seeds and		and :			
	fertilizers, kg					
11	Number of greasing points		s :			
10	12 Details of material of construction					
12	Details o	f material of const	ruction			
12	Details o Sr. No.	f material of constr	ruction Mate	rial	Section or size	e
12					Section or size	2
12	Sr. No.	Name of part	Mate	S	Section or size	2
12	Sr. No.	Name of part Feed shafts	Mate M:	S	Section or size	2
12	Sr. No.	Name of part Feed shafts Seed and	Mate M:	S	Section or size	
12	Sr. No. 1 2	Name of part Feed shafts Seed and fertilizer box	Mate Ms Ms	5	Section or size	
12	Sr. No. 1 2	Name of part Feed shafts Seed and fertilizer box Tyne	Mate MS MS	S S S S S	Section or size	
12	Sr. No. 1 2 3 4	Name of part Feed shafts Seed and fertilizer box Tyne Boot	Mate MS MS MS	S S S S S S S S S S S S S S S S S S S	Section or size	
12	Sr. No. 1 2 3 4 5	Name of part Feed shafts Seed and fertilizer box Tyne Boot Seed tube	Mate MS MS MS Nylon p	S S S S S S S S S S S S S S S S S S S	Section or size	

Place:	
Date:	
	Signature:
	Name :

Designation: