

## SPECIFICATION For Power Sprayer

<b>4.1</b>	<b>General</b>		
	Nature of sample	:	
	Type	:	
	Make	:	
	Model	:	
	Output capacity (Lit/min)	:	
	Date of receipt	:	
	Name & address of the manufacturer	:	
<b>4.2</b>	<b>Prime Mover</b>		
	Recommended	:	
	Type	:	
	Prime mover used	:	
	Model	:	
	Engine No.	:	
	Power rating (kw/Hp)	:	
	Transmission method	:	
	Year of manufacture	:	
<b>4.2.1</b>	<b>Propeller shaft</b>		
	Type	:	
	Length of shaft (mm)		
	Minimum	:	
	Maximum	:	
	Mass of shaft (Kg)	:	
	Provision of locking	:	

**Hub Dimension, mm – Refer fig. 1**

Notation	As per IS:4931-2004, mm	As observed, mm
DØ		
dØ		
W		

A		
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4.3	<b>Pump Description :-</b>		
	Make of pump	:	
	Type	:	
	No. of Plunger	:	
	Pump speed rpm	:	
	Suction Volume (l/m)	:	
	Pressure	:	
	Power HP	:	
4.4	<b>Tank</b>		
	Size (mm)		
	Height	:	
	Width	:	
	Capacity (lit.)	:	
	Method of mounting	:	
4.5	<b>Frame</b>		
	Type	:	
	Size of Angle iron ( mm )	:	
4.6	<b>Agitating Device</b>		
	Location	:	
	Type	:	
	Method of working	:	
	Method of pressure regulation	:	
4.7	<b>Nozzle</b>		
	Type	:	
	Size of nozzle and discharge	:	

<b>4.8</b>	Mounting Arrangement	:	
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<b>4.8.1</b>		
Sl.No.		
I	<b>Upper hitch point ( cat-II)</b>	
$d_1$	Diameter of hitch pin hole	
$b'_1$	Width between inner faces of yoke, min.	
$b'_2$	Width between outer faces of yoke, max.	

II		
d <sub>1</sub>	Diameter of hitch pin	
B'	Linch pin hole distance, mon.	
I	Lower hitch pin span	
III		
d'	For upper hitch pin hole dia, mm For lower hitch pin hole dia, mm	
		12
h	Mast height	610 ± 1.5 or higher upto 810 ± 1.5

<b>4.9</b>	Accessories (For operator's safety against pesticides)		
<b>4.10</b>	<b>Overall Dimensions (mm)</b>		
	Length (with hose), mm	:	
	Length (without hose), mm	:	
	Width (mm)	:	
	Height (mm)	:	
	Mass (kg)	:	
<b>4.11</b>	Application/Area of use	:	
<b>4.12</b>	Height of jet throw (mm)	:	

### MATERIAL OF CONSTRUCTION OF VARIOUS COMPONENTS.

S. No.	Components	
1.	2. ASIAN- Pump	
i)	Pump cylinder	
ii)	Pressure chamber	

iii)	Piston rod	
iv)	Piston or plunger	
v)	Spreader	
vi)	Valve assembly	
vii)	Roller pump shaft	
viii)	Pump rollers	
ix)	Pressure regulators	
x)	Suction strainer	
xi)	Strainer body	
xii)	Gasket	
xiii)	Spray nozzles	
xiv)	Spray boom	
xv)	Hose	
xvi)	Tank	
xvii)	Pipe for agitator	
xviii)	Piston (bucket) screw	
xix)	Crank case	
xx)	Roller pump body	
xxi)	Roller pump and plate	
xxii)	Piston pump crank shaft	
xxiii)	Roller pump rotor	
xxiv)	Pump inlet port end fitting	
xxv)	Piston rod guide	
xxvi)	Connecting rod	
xxvii)	Gudgeon pin	
xxviii)	Big end bearing	
xxix)	Small end bush	
xxx)	Lance	
xxxi)	Frame	