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	Major category: UNSPSC -													
	Sub Category : - UNSPSC Code - Agriculture Rotavator : UNSPSC Code -													
S.N o.	Parameters	Grou ping		Value 1	Value2	Value 3	Value 4	Value 5	Value 6	Gold en	Vali datio n	Whet her Filter Requ ired	p r i o r i t	U n i
1	Agriculture Rotavator shall be capable to tillage both wet and dry soil land.	S	Е	Yes						G				
2	Application	P	Е	It is used to as primary cum secondary tillage implement which help to conserve previous soil moisture and pulverises soil up-to 6 inches of depth or more.						G				
3	Dimensions of three point linkage shall be as per IS: 4468 (part-I) 1997	S	Е	Yes										
4	Dimensions of power input connection (PIC) of implement shall be as per IS:4931-1995	S	Е	Yes										
5	Dimensions of power input connection (PIC) of Yoke Bore shall be as per IS:4931-1995	S	E	Yes										
6	Facility of tractor PTO operated mechanism for Rotavator	P	Е	Yes										

7	Type of hitch attchemnent/Linkage	P	Е	3-point linkage	CAT-I	CAT-							
8	Tractor power required to operate rotavator on full load	P	Е	10 hp to 25 hp	25hp to 35 hp	35 hp to 40 hp	40 hp to 50 hp	50 hp to 60 hp	60 hp to 90 hp				hp
9	Material of frame of rotavator	M	Е	MS	HCS	Alloy Steel		·		G			
10	Type of gear box used	P	Е	Single Speed	Multi Speed								
11	Type of Side Transmission Drive	P	Е	Gear Drive	Chain Drive								
12	Types of gear used	P	Е	Spur	Helical	Doubl e Helical							
13	No.of chain drive used	P	Е	1	2								
14	Availibility of chain/Gear cover part for safety	P	Е	Yes									
15	PTO speed required in rpm	P	Е	540									rpm
16	Rotor Speed in rpm	P	Е	175	200	225	250	300					
17	Diameter of rotar shaft in mm	D	N	75	80	85	90			G			mm
18	Rotor Diameter (including flange & blade mounted on flange) in mm	D	Е	400	410	420	430	440	440				mm
				450	460	470							
19	Shape of Cutting Blade	P	Е	C-Shape	L-Shape	J- Shape							
20	Type of cutting edge of blade	P	Е	Plane	Tooth								
	Material for Cutting Blade	M	Е	HCS	Boron(28 MnCrB5)								
21	Hardness of Edge portion	P	Е	40 to 55 HRC	55 to 59 HRC								
22	Hardness on Shank portion	P	N	37 to 45 HRC									
23	Total no. of blade on rotor	P	Е	30	36	42	48	54	60				
24	Number of blade per Flange	P	N								≤6		

25	Cutting Blade thickness in mm	D	Е	6	7	8	9	10	11			mm
				12	13	14						
26	Cutting blade width in mm	D	Е	70	80	90	100	110	120			mm
27	Orientation of blade in degree	D	Е	35	40	45	50	55	60			degr ee
28	length of blade along the flange in mm	D	Е	150	155	160	165	170	175			mm
29	length of blade along the rotor shaft in mm	D	Е	110	115	120	125	130	135			mm
30	Distance between consecutive flanges in mm	D	Е	200	205	210	215					mm
31	Working width by rotavator in inches	D	Е	48	60	72	84	96	108			mm
				120								inch
32	Cutter Blade should be Dynamically balanced	P	Е	Yes								
33	Working depth by rotavator in inches	D	Е	4	5	6	7	8				inch
34	No.of flange in rotor shaft	p	Е	5	6	7	8	9	10			
35	Depth of puddle in wet land operation in mm	D	Е	120	130	140	150	160	180			
36	Types of bearing used	P	Е	Ball	Roller							
37	Make of bearing	P	Е	NBC	SKF	NRB	ABC	Schaeff ler	Galax v			
38	Availibility of Adjustable Depth Skids	P	e	Yes								
39	Availibilty of Offset Adjustable frame	P	Е	Yes								
40	Safety clutch/Device (Shear Bolt) in PTO shaft shall be provided	P	Е	Yes								
41	Rotavator Stand shall be provided	P	Е	Yes								
42	Rotavator Sheild to prevent flying of mud & stone shall be provided	P	Е	Yes								
43	Facility Side Disc assembly	p	Е	Yes	No							
44	Guard over propeller shaft shall be provided	P	e	Yes			_					

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45	Availibility of lubricacting system	P	Е	Yes								
46	Rotavator primary reduction gear/gearbox, Secondary reduction gear/gearbox, Rotary axle bearing shall be with effective sealing to protect from dust &Water(No ingress of mud & Water into them)	p	E									
47	Marking/labeling of rotavator shall be mention	P	Е	Yes								
48	Size of rotavator (Lx W xH)in inches	D	T									
49	Weight of Rotavator in Kg	D	T									
50	Warranty in years	P	Е	1	2	3	4	5	G			
51	Rotavator should have minimum vibration during operation	P	Е	Yes								
52	Noise level of rotavator in db on full load	P	N									db
53	Number of Spare Blades for Rotavator	P	Е	5	10	15	20	NA	G			
54	Rotavator frame and Blades must be Rust Proof	P	Е	Yes								
55	Facility of easily service to rotavator	P	E	Yes								
56	Product instruction manual shall be supplied	P	Е	Yes								
	Standard Tool Kit for maintananace and Trouble Shooting to be provided with Machine	P	Е	Yes								
58	Protective Carry Case Supplied with Rotavator	P	Е	Yes								
59	Demonstration of equipment and training to be provided after completing supplies before Acceptance	P	Е	Yes								

60	ISO certification No. of manufacturer of Rotavator	R	Ch	Yes	No					
61	ISO certification issued date, If ISO certificate not availiable then put NA	R	Ch							
62	Copies of test Reports/certificates and other certifications to be furnished to buyer on demand at time of supplies	R	Ch	Yes						

Mr.Ajmer Singh (TA)

Shri A. V. MURALIDHARAN (Dy. CEO)

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