

S.No	Description	Qty
1	HORIZONTAL CNC LATHE MACHINE (SLANT BED)	01 set
A	Specification	
	Capacity :	
	Swing over bed= 1000mm approx. Swing over cross slide=650mm approx. Maximum turning diameter=750mm approx. Maximum turning length=1000 mm approx. Distance between centers=1000mm approx. 3-jaws hydraulic chuck diameter=600mm approx.. Hydraulic pressure for 3-jaws chuck=variable from 2 bar to 30 bar Bed slant angle= 45°/60° Cross travel (X-axis)= 450mm approx.. (total) =375mm approx.. (above spindle center) =75mm approx. (below spindle center) Longitudinal travel (Z-axis)=1000mm approx.	
2	Main spindle:	
	Spindle motor power=30kw approx. Spindle speed range=variable from 10 to 100 rpm approx. Spindle bore=150mm approx.	
3	Power turret:	
	Type=Hydraulic, BMT, disc type, vertical No. of tool stations=12 OD too height=32mm ID boring bar holder=50mm	
4	Motorized tailstock	
	Quill bore taper=MT # 5 Quill diameter=125mm approx. Quill travel range=125mm approx.. Quill travel=hydraulic (by foot switch and M codes) Tail stock body travel=power driven by switches on operator panel Hydraulic pressure=adjustable from 2 bar to 30 bar	
5	Accuracy	
	Positional Accuracies = 0.040/1000mm (Z-Axis) =0.020/450mm(X-axis)	
	Repeatability =0.012mm (Z-axis) =0.010mm (X-axis) =0.005mm (tool post)	
6	Electrical Power supply for offered machines	
7	Make.	
	Spindle motor, servo motor, X and Z-axis and drives=Fanuc, Japan High precision ball screws=Japan Bearings for spindle and ball screws=japan Guide ways=japan Hydraulic chuck=Korea Hydraulic elements including oil pump, electric unit and valves=Taiwan Other machine parts= China (European standard)	
8	Machine size:	
	Machine size (LxWxH)=4000x2000x2000mm approx.. Machine weight=8000 Kg approx..	

9	CNC Controller:	CNC Controller =Fanuc OiTf, Japan (English display) with all basic functions including all standards G,M,S,T,F codes, manual pulse generator, least input increment=0.001mm, coordinate system setting , reference point return, machine axis lock/unlock, program check functions by dry run, tool path graphic display and single block, linear and circular interpolation, tool offsets, tool nose radius compensation Canned turning cycles=G90, G94 Multiple repetitive cycles=G70,G71,G72,G73,G74,G75 Thread cutting cycle=G32,G92,G76 sub programs, macro programming , inch/metric conversion	
B	Accessories:		
1	3-jaws hydraulic self centering hollow chick, OD=600mm approx.	1 set	
2	External and internal hard jaws for above chuck	1 set	
3	Soft jaw for above chuck	3 sets	
4	External tool clampers for turret	6 sets	
5	Boring bar holders for turret	6 sets	
6	Sleeves for boring bar holders, OD=50mm, ID=20, 25, 32, 40mm	16 Nos (4 each)	
7	Power transformer Input=3 phase/380V/50Hz Output=as per machine requirement	1 set	
8	Precision leveling kit for machine	1 set	
9	Leveling bolts and blocks	1 set	
10	Work light	1 No	
11	Hand tool kit	1 set	
12	Revolving center for tailstock	1 set	
13	Air conditioner for electric cabinet	1 set	
14	Manual steady rest (roller fitted)	1 set	
15	Clamping range=Ø 100-Ø500mm approx..	1 set	
16	Fully enclosed splash guard with sliding doors at front	1 set	
17	Auto lubrication system	1 set	
18	Hydraulic system	1 set	
19	Coolant system	1 set	
19	Chips conveyor not required	NIL	
C	Spare parts package for 10 years machine operation alongwith unit price of each part	1 set	
D	Machine and CNC controller manuals/relevant documents in English hard copy	1 set	
E	Pre-shipment inspection and training on purchased machine at manufacture's site for two official for 10 working days.		
F	Please provide original technical brochure of offered machine in English alongwith quotation	1 set	
g	Complete information about manufacturer regarding experience, manufacturing standards, accuracy of standard followed and make of each part for offered machine may be provided alongwith quotation		
h	All quoted accessories should be compatible with offered machine		