Requirement of Workshop Deptt. to be procured through e-Tender-13/14-15 under CAT-E

Sr. No.	Name of items	Complete Specification	Qty.
01.	Down-stroke friction Screw-press capacity 50 Ton. Steel fabricated body	Screw Dia. Base of machine or above Bed-size Bore size in bed plate Maximum distance between Table & Ram Stroke of Ram Max. Bore in Ram Max. No. of stroke per minutes Motor Power Along with 02 Nos. Dies (i) Chisel 6" (ii)Spanner Size 15, 16 mm With standard accessories, tool kit, operation and maintenance manual Installation and commissioning to be provided Warranty for one year after commissioning	01
		to be provided	
02.	Universal Cylindrical Grinder Machine	CAPACITIES Centre Height mm 125 Admit Between Centers mm 600 Grinding Length mm 400 LONGITUDINAL SLIDE Type V & Flat, Turcite Coated Continuous Lubrication Table Speed m/min 0.1-5 Max. Travel mm 400 Min. Automatic Travel (Approx.) mm 2.5 Swivel of Table degree 0 - 30 INFEED SYSTEM Slide Movement Antifriction Linear Guide Ways Rapid Approach mm 40 In-feed with Hand Wheel mm 20 Min. Increment In-feed on Dia mm 0.001 WHEEL HEAD Type Hydrodyanamic Grinding Wheel (OD x Width x Bore) mm 300 x 40 (ROS) x 127 Min. Wheel with Zero Job mm 220 Spindle Cone Size mm 40 Spindle Speed rpm 1910,2120,2350 Grinding Speed m/sec 30 WORK HEAD Type Hydrodynamic / Dual Speed	01

Spindle Nose Taper Swivel Range Power		degree kW	MT-4 0-90 0.16/0.3		
TAIL STOCK Quill Travel Taper		mm	20 MT-3		
INTERNAL GRINDING HEAD Type Lifetime Lubricated Spindle Housing Bore Dia mm 60 Spindle Speed (Std.) rpm 18000					
Tank o	ANT SYSTEM capacity nt Pump Delivery	ltrs. Ipm	150 40		
Tank (ER PACK Capacity Power	ltrs. kW	70 0.75		
Accessories					
I. III. IV. V. VI. VII. VIII.	 II. Live Spindle Draw-Bar III. Micro Dressing Attachment with Diamond IV. Set of Machine Mounting Leveling Pads V. Balancing Mandrel VI. Balancing unit with arbor for wheel dia. up to 400 mm VII. Precision Carbide Tipped Centre MT-3 Full 				
IX. X.	Precision Carbide Tipped Centre MT-3 Half male Precision Carbide Tipped Centre MT-3 Female				
XI. XII. XIII.	XI. Set of Driving DogsXII. 1 Set of Service ToolsXIII. Poly 'V' Belts for Work Head, Wheel Head and Internal Head				
XV.	V. Collet Adopter for mounted wheel with special C-Spanner for 60 mm x 250 mm spindle				
XVI.	Collet attachment	with collets	and draw bar		

GENERAL

- Electrical Equipments Suitable for 415V, 3 Phase, 50 Cycles AC
- Complete Hydraulic System Including Motor, Pump & Tank
- Work Head Oil/ Wheel Head Oil/ Power pack Oil (Initial Fill)
- Instructions and service manual
- Installation and commissioning to be provided
- Warranty for one year after commissioning

		to be provided			
		 Machine accuracy as pe 	r IS/ intorn	ational	
		standards.	i io/ iiiteii	iational	
	Harimantal Davin - Maskins	Test Chart to be provided			0.4
03.	Horizontal Boring Machine	CAPACITY UNIT VALUES			01
		Diameter of the spindle	mm	Up to 63	
		Working Spindle movement	mm	555-565	
		Boring Dia.	mm	355-	
		365			
		Facing Dia.	Mm		
		Working Spindle Tape	Morse	5	
		Distance of fixed stay bearing fr	om		
		facing head	mm	1790 -	
		1805			
		Table Movement in spindle			
		Direction	mm	1055-	
		1065			
		Table Movement crosswise to			
		spindle direction	mm	795-	
		805			
		Height of spindle centre over			
		table max.	mm	715	
		Job weight max.	Kg		
		1510			
		ROTARY TABLE			
		T –Slots ,width/distance	mm	22/125	
		Clamping Surface max.	mm	725x900	
		Centering Dia.	mm	75H-7	
		FACING HEAD			
		Chuck Dia. Max.	mm	405	
		T-Slot ,width/distance	mm	14/265	
		Boring Stay Bearing	mm	80H-7	
		TOOL SPEED			
		TOOL SPEED	Rpm	4-1400	
			ιτριτι	4-1400	
		FEED RADIAL SLIDE OF FAC	ING HEAD)	
		Range Per		46 - 9.1	
		_	e provided		
			•		
		ACCURACIES			
		Cordinate setting with standard			
		scale and Vernier	mm	0.05	
		Rotary table settings	min	1	
		Positioning of rotary table	mm	± 0.01	
		Quality of Bore obtainable		H7	
		ELECTRIC POWER			
			I P	Up to 5	
		GENERAL			
		 Electrical Equipments St 	uitable for	415V,	
		3 Phase, 50 Cycles AC			
		 Safety features for safe 	operations	S	
		 Machine accuracy as pe 	r Dr Schle	esinger's	
		Standards.		•	
		 Instructions and service 	manual		
<u> </u>	•				

 Installation and commissioning to be provided Warranty for one year after commissioning to be provided
 Test Chart to be provided Standard tooling for All general operations boring ,facing ,chamfering ,grooving to be provided
 Provision for providing & installation of DRO Facility of accuracy 005 μm, to be quoted separately.