

**Part C: Procurement Plan**

Procurement Plan: IMC to submit the procurement plan for ITI as per Section 4.2- Procurement guidelines in the below format:

**Name of the ITI:- Govt ITI Patiala**

**Items to be procured**

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
1	Discrete Component Trainer / Basic Electronics Trainer	Availability of Crystal Generated clock Range of 1Hz to 100 KHz in steps, with Manual Pulsing by a Push Button Switch, Input Power Supply : 230V ± 10 % AC 50 Hz, Output Power Supply: 5 volts ± 3% 1 Amp (minimum) , Faculty to study and verify all logic gates with Availability of logic inputs and indicators to observe high / low outputs	Mechanic Auto Electrical & Electronics	1	3,000	3,000	Competitive Open Bidding / E-Tender/ GeM
2	Drilling machine bench to drill up to 12mm dia along with accessories	Sensitive 0-12 mm cap motorized with chuck and key.i nduction Motor with DOL starter, Bench Type	Mech Auto Elect. & Electronics	1	50,000	3,00,000	Competitive Open Bidding / E-Tender/ GeM
			Carpenter	1			
			Fitter	2			
			Mechanic Diesel	1			
3	Grinding machine (general purpose) D.E. pedestal with 300 mm dia	Quality Marked Pedestal Grinder Machine Capable of accommodating discs of various sizes and maximum disc size that should be suitable for fitment in the machine is 300mm with 1 HP motor, with pair of wheels	Mechanic Auto Electrical & Electronics	1	23,000	23,000	Competitive Open Bidding / E-Tender/ GeM
4	Trolley type portable air compressor single cylinder with 45 liters capacity Air	Electric Motor Driven air compressor with minimum Capacity of Air Receiver 45 ( in Litters) With storage tank	Mechanic Auto Electrical & Electronics	1	58,000	58,000	Competitive Open Bidding / E-Tender/ GeM

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5	UPS 2 KVA	Rating in KVA2.0 KVA Switching TechnologyIGBT-PWM Input VoltageAC Single phase 160V - 260V 50Hz Output VoltageAC Single phase 230V +/-1% 50 Hz Warranty for UPS (Years)3 Battery/Backup Bank Provided with Online UPS ( Hint: In case the UPS is supplied with battery, seller shall ensure compliance to the GST Rates as per recommendations made in the 45th Meeting of GST council dated 17th Sep 2021 )With Battery Type of Battery (hint: NA in case Battery not provided)SMF-VRLA conforming to JISC:8702(Pt.I,II&III), Stationary Lead Acid Batteries (with tubular positive plates) in monobloc container conforming to IS:13369:1992 latest Backup time (Minutes) (hint: NA in case battery not provided)15 Minutes Warranty for battery (Years) by Battery Manufacaturer/Brand hint: NA in case battery not provided3 Overall Efficiency (%)>=90% & <94% without Inbuilt isolation transformer Overload limit20% Overload for minimum 5 minute ,50% Overload for minimum 3 seconds ,50% Overload for minimum 1 minute AccessoriesCabling 6 meters ( input upto 3m and output upto 3m) ,The UPS shall be complete with Trolley for battery bank,battery, Cables and connectors etc Type of Design / ConstructionFloor Standing	Mechanic Auto Electrical & Electronics	2	27,500	55,000	Competitive Open Bidding / E-Tender/ GeM
6	Digital Multimeter	3.5 Digit, AC/DC Voltage Range 1000 Volt, AC CURRENT RANGE 3A, DC CUREENT RANGE 10A,Resistance Range40 MegaOhm,	MECHANIC CONSUMER ELECTRONIC APPLIANCES	12	3500	42,000	Competitive Open Bidding / E-Tender/ GeM
7	DC Regulated Variable Programmable DC Power Supply	Regulated DC Power Supply of Output voltage Range 0-30V ,Output Current Range 0-3A, Input Voltage Supply 230 VAC ±10%/50Hz ,With Built-in overheat , over voltage ,over Load & Short Circuit Protections	MECHANIC CONSUMER ELECTRONIC APPLIANCES	2	18000	36,000	Competitive Open Bidding / E-Tender/ GeM
8	LCR meter (Digital) Handheld	Type: Portable, Display 3.5 Digit LCD/LED Display Inductance Measuring Range: 200 mircoH to 20H. Capacitance Measuring Range : 4nF to 200 microF, Resistance Measuring Range: up to 10M ohm, Manual Ranging, Inbuilt Over Load Protection for AC and DC Voltage	MECHANIC CONSUMER ELECTRONIC APPLIANCES	1	4500	4,500	Competitive Open Bidding / E-Tender/ GeM

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9	CRO Dual Trace	Bandwidth : 20 MHz, Number of Channels : 2 ,Vertical Sensitivity 2mV/Div to 20V/Div, Time Base Range 0.2micro sec -5sec/Div , Display Type : Monochrome CRT Display Size 8x10 (cmXcm) , Coupling AC/DC and Ground , Trigger Types: Edge, Pulse, Source : CH 1,CH2,ALT,LINE , EXTERNAL, With Component Testing Facility	MECHANIC CONSUMER ELECTRONIC APPLIANCES	2	24000	48,000	Competitive Open Bidding / E-Tender/ GeM
10	Laser Printer A4 Size	Cartridge Technologyseparate toner and drum Printing TechnologyLaser Type of PrintingMono Paper SizeA4 Print Speed per minute as per ISO/IEC 24734 in (A4) Size - Mono22 Wireless ConnectivityYes Number of Main Paper Trays1 On site OEM warranty (Years)1	MECHANIC CONSUMER ELECTRONIC APPLIANCES	1	15999	15,999	Competitive Open Bidding / E-Tender/ GeM
11	DSO (colour)	Bandwidth: 50MHz, Type of input Channels: Analog , Number of Analog Channels : Minimum 2 , Record Length Per Analog Channel Simultaneously 1M points Sampling Rate Per Analog Channel Simultaneously 1 GS/sec , Coupling : DC , AC & GND , Sampling Mode: Sample , Peak detect, Averaging , Roll Mode , Automatically /Manually Set vertical scale and Time Base , Display Screen Colour TFT display : 7 Inch Minimum, Operating Voltage 230V AC 50Hz with PC Interface USB, with Different Math Functions.	MECHANIC CONSUMER ELECTRONIC APPLIANCES	1	45000	45,000	Competitive Open Bidding / E-Tender/ GeM
12	Soldering & De-soldering Station	Soldering Station ESD Save Comprise of Temperature Range: 200 deg C to 450 deg C , Soldering iron rating (minimum) 80 W , Soldering iron bits of different Sizes and Desoldering Nozzles of Different sizes , Operating Voltage :230 V AC 50Hz	MECHANIC CONSUMER ELECTRONIC APPLIANCES	1	10200	10,200	Competitive Open Bidding / E-Tender/ GeM
13	Washing machine ( Fully Automatic )	Type of Machine: Washer /With Dryer/Extractor , Drive Type : Belt Drive, Number of Tubs/Containers/Drums: Single Containers Container / Drum Position: Vertical , Type of Laundry Loading: Top Load , Laundry Processing: Fully Automatic , Rated capacity of Washer: 8 kg (Minimum) , Material of the Washer Drum : Stainless Steel , Type of Dryer: Hydro Extractor ( Spin Dryer ) , With availability of Spin Speed Selection , Working Voltage 230 ± 10% V AC 50 Hz ,	MECHANIC CONSUMER ELECTRONIC APPLIANCES	1	24000	24,000	Competitive Open Bidding / E-Tender/ GeM
14	Vacuum Cleaner	Airflow rate (litres/Sec) :150 Minimum , Suction Hose Length 2 Meter Minimum , Floor Nozzle size: 50 Millimeter Minimum , Type of Cleaning Operation: Wet and Dry Duty Cleaning , Container Capacity: 80 liters ,	MECHANIC CONSUMER ELECTRONIC APPLIANCES	2	18400	36,800	Competitive Open Bidding / E-Tender/ GeM
15	Microwave Oven	Capacity / Volume ( Litres) 20 Minimum , Grill Heating Power (Watts) 101-150 , With Heating Time Adjustment, Microwave Frequency 1400 Mega Hertz	MECHANIC CONSUMER ELECTRONIC APPLIANCES	1	7100	7,100	Competitive Open Bidding / E-Tender/ GeM

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16	Water Purifier	Type of Water Purification Technology : RO + UV + UF + Alkaline, Operation: Fully Automatic: with Auto cut off Ultraviolet (UV) LAMP and Ultraviolet Disinfection , Filtration Capacity 8 litter/hour (minimum), With Inbuilt Storage Tank	MECHANIC CONSUMER ELECTRONIC APPLIANCES	1	10300	10,300	Competitive Open Bidding / E-Tender/ GeM
17	Desktop Computer	Processor MakeIntel Processor Generation12 Number of Cores per Processor12 Processor DescriptionIntel Core i7 Processor NumberIntel Core i7 12700 Chipset SeriesIntel Q Series Chipset NumberIntel Q670 Size of Memory in Case of Dedicated Graphic Card (GB)0 Operating System (Factory Pre-Loaded)Windows 11 Professional RAM Size (GB)16 RAM Expandability up to( using spare DIMM Slots in GB)64 Type of Drives used to populate the Internal BaysSSD Total HDD Capacity (GB)0 Total SSD Capacity (GB)1024 Display Size (INCHES)23.8 Display TypeNon Touch Panel TechnologyIPS Display Resolution (PIXELS)1920x1080 Availability of Webcam integrated with DisplayYes On Site OEM Warranty (Year)5	STENOGRAPHER SECRETARIAL ASSISTANT (ENG.)	25	81,900	40,95,000	Competitive Open Bidding / E-Tender/ GeM
			CH&NM	12			
			Electrician	2			
			MCE&A	4			
			AE&E	2			
			SURVEYOR	5			
18	Laptop	Processor MakeIntel Processor Generation12 Number of Cores per Processor10 Processor DescriptionIntel Core i7 Processor NumberIntel Core i7 1255U Size of Memory in Case of Dedicated Graphic Card (GB)0 Operating System (Factory Pre-Loaded)Windows 11 Home RAM Size (GB)16 Type of Drives used to populate the Internal BaysSSD Total HDD Capacity (GB)0 Capacity of each SSD (GB)512 Total SSD Capacity (GB)512 Capacity of each SSHD (GB)NA Total SSHD Capacity in addition to 8 GB Flash (GB)0 Wireless ConnectivityYes	STENOGRAPHER SECRETARIAL ASSISTANT (ENG.)	1	96,000	15,36,000	Competitive Open Bidding / E-Tender/ GeM
			CH&NM	12			
			MCE&A	1			
			MMV	1			
			Welder	1			

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		wireless Connectivity res Display Size (Inch)15.6 Display TypeNon Touch Display Resolution (Pixels)1920x1080 Optical DriveNA Battery Warranty3 On Site OEM Warranty (Year)(OEM/ Authorised channel partner shall note that W/G to be fulfilled by OEM at site)3					
19	Multi-function printer	Laser, A3, 1200x1200, Ethernet 10/100/1000, Duplex Print, 1Ghz, Print Speed per minute as per ISO/IEC 24734 in (A4) Size - Mono 20, color 20	STENOGRAPHER SECRETARIAL ASSISTANT (ENG. SURVEYOR	1 1	1,65,000	3,30,000	Competitive Open Bidding / E-Tender/ GeM
20	Laser Printer A4 Size	Cartridge Technologyseparate toner and drum Printing TechnologyLaser Type of PrintingMono Paper SizeA4 Print Speed per minute as per ISO/IEC 24734 in (A4) Size - Mono22 Wireless ConnectivityYes Number of Main Paper Trays1 On site OEM warranty (Years)1	Electrician MCE&A AE&E	1 1 1	15,999	47,997	Competitive Open Bidding / E-Tender/ GeM
25	Multimedia projector or LCD Projector or LED Projector	TechnologyOne Chip DLP Native Resolution1280 x 720 (HD) Brightness (Lumens)250, Type of ProjectorStandard Throw (0.91 to 2.5) Type of Light SourceLED Minimum Life of Light Source (In Normal Mode) (Hours)30000 On Site OEM Warranty for Light Source (Time or Life in Hours whichever is earlier)3 Year or 30000 Hrs. On Site OEM Warranty3	STENOGRAPHER SECRETARIAL ASSISTANT (ENG. CH&NM MCE&A AE&E MMV Welder FBSA FOA	1 1 1 1 1 1 1 1	41,055	3,28,440	Competitive Open Bidding / E-Tender/ GeM

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26	Interactive Board	Surface material of Boardsceramic Steel Surface Board Diagonal Size in inch82 inch Mode of operationProjector and whiteboard Mode both Board Aspect Ratio16:9 Touch Technologyinfrared Touch interfaceTouch Sensitive and Pen Driven Both Display Resolution in pixels32764 Warranty in years1 Availability of test reports from Central Govt /NABL / ILAC accredited Lab covering all the parametersYes	STENOGRAPHER SECRETARIAL ASSISTANT (ENG.) CHNM	1 1	250000	5,00,000	Competitive Open Bidding / E-Tender/ GeM
27	UPS 1 KVA	Rating in KVA1.0 KVA Switching TechnologyIGBT-PWM Input VoltageAC Single phase 160V - 260V 50Hz Output VoltageAC Single phase 230V +/-1% 50 Hz Warranty for UPS (Years)3 Battery/Backup Bank Provided with Online UPS ( Hint: In case the UPS is supplied with battery, seller shall ensure compliance to the GST Rates as per recommendations made in the 45th Meeting of GST council dated 17th Sep 2021 )With Battery Type of Battery (hint: NA in case Battery not provided)SMF-VRLA conforming to JISC:8702(Pt.I,II&III), Stationary Lead Acid Batteries (with tubular positive plates) in monobloc container conforming to IS:13369:1992 latest Backup time (Minutes) (hint: NA in case battery not provided)15 Minutes Warranty for battery (Years) by Battery Manufacturer/Brand hint: NA in case battery not provided3 Overall Efficiency (%)>=90% & <94% without Inbuilt isolation transformer Overload limit20% Overload for minimum 10 minute ,50% Overload for minimum 3 seconds Type of Design / ConstructionFloor Standing	STENOGRAPHER SECRETARIAL ASSISTANT (ENG.)	1	17786	17,786	Competitive Open Bidding / E-Tender/ GeM

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28	LCD / LED Projector	TechnologyOne Chip DLP Native Resolution1280 x 720 (HD) Brightness (Lumens)250, Type of ProjectorStandard Throw (0.91 to 2.5) Type of Light SourceLED Minimum Life of Light Source (In Normal Mode) (Hours)30000 On Site OEM Warranty for Light Source (Time or Life in Hours whichever is earlier)3 Year or 30000 Hrs. On Site OEM Warranty3 with Spring action pull down Projector Screen White Fabric Display	STENOGRAPHER SECRETARIAL ASSISTANT (ENG.)	1	50000	50,000	Competitive Open Bidding / E-Tender/ GeM
29	Total station	Angle Measurement Accuracy2 second Display resolution / Least Count1 second CompensationDual Axis Compensator Setting Accuracy1 second Distance Measurement with Reflector Prism with Single Prism3000 meter Distance Measurement without Reflector Prism300 meter Typical Measurement time2 second Resolving power3 second Minimum Focus Distance1 meter Plummet TypeLaser Based Data storage- Internal Memory1 gigabyte Operating SystemLinux Based Battery Operating time (Backup Time)8 hour Warranty1 year	SURVEYOR	2	202500	4,05,000	Competitive Open Bidding / E-Tender/ GeM

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30	Hand GPS-latest version	<b>Display</b> Display TypeWvga Color Tft Display Size In Inch(7 To 7.9) BacklightingYes Display Resolution480 x 800; portrait and landscape orientation Screen OrientationBoth Battery Typereplacable lithium ion Battery Life Estimated8 hour Technical Specifications Waas CapabilityYes Routes100 Weight289 gram USB connectionYes WaterproofYes FeaturesMoving map Waypoints/favorites/locations7000 Accepts Data CardsYes Route DataVFR Separate Serial And Usb InterfacesYes Expandable memoryYes Traffic Information Services (TIS) Alerts CompatibleYes Media PlayerMusic PortableYes	SURVEYOR	2	30000	60,000	Competitive Open Bidding / E-Tender/ GeM
31	Auto level with accessories	Magnification (in X)24 Objective Lens Aperture36 millimeter Field of View1°20' Minimum Focus Distance from the center of the Instrument1 meter Micrometer2 millimeter Accuracy (Standard Deviation per 1 km double - run levelling), with Micrometer (May indicate '0' for without micrometer)0.4 mm Circular Vial (Bubble) Accuracy (per 2 mm)8 minute Graduation on Horizontal Scale / Circle360 degree "Graduation Interval (Better Than or Equal to)"1 degree CompensatorAir - damped Compensator with Automatic compensation Compensator Setting Accuracy0.5 second Salient FeaturesWith Peep Sight Accessories inclusive in the scope of supplyLens Cap ,Carrying Case Minimum Operating Temperature-20 degree Celsius Maximum Operating Temperature40 degree Celsius Ingress ProtectionIP 54 WARRANTY1 year	SURVEYOR	6	13698	82,188	Competitive Open Bidding / E-Tender/ GeM



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32	Echo Sounder	<p><b>Generic Specifications</b>            Operating Temperture, deg C(-30 to 60 )            Depth Range300 meter            Removable BatteryYes            Ping Rate14 Hertz            Accuracy+/-0.01m+0.1% of depth value            Channel ConfigurationSingle            Battery Life, Hours12            Battery ConfigurationYes            Frequency50KHz,200KHz            Battery, TypeLithium ion            MountingOther</p> <p><b>Interface</b>            Memory2 gigabyte            Interface/PortDC power port,TX ports (for transducer)            Operating SystemIOS</p> <p><b>Display Features</b>            Display Size5 inch            Display Accuracy+/- 2.5%            Display Range300 meter            Display TypeLCD            Resolution ( pixels )240 x 128</p> <p><b>Electrical Power</b>            output power300 Watt            Power supply, watt9-36 VDC or 110-240 VAC            Power Consumption9 Watt</p> <p>Additional Information            Additional AccessoriesRS232 output cable,RS232 input lead for external data input,33/210kHz transducer,10m cable,Mounting spar,Case</p>	SURVEYOR	1	45000	45,000	Competitive Open Bidding / E-Tender/ GeM
33	Current meter	<p><b>Standards And Certifications</b>            Conformity to specificationsAs per IS:3910 (Latest)            ISI MarkedYes</p> <p><b>Technical Specifications</b>            Type of current meter and rotorCup type            Type of current meter (on the basis of availability of ball bearings)Current meter with ball bearings or pivot bearings</p>	SURVEYOR	1	13000	13,000	Competitive Open Bidding / E-Tender/ GeM

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34	Transit Theodolite with stand with all accessories	Method of Angular Measurement Absolute Units of Angular Measurement, other than degree V % (Slope) Resolution (Least Count) of Angular Measurement 0.05 second Accuracy of Angular Measurement (±) 2 second Angular Measurement detection method - Horizontal Dual Sides Angular Measurement detection method - Vertical Dual Sides Objective Lens Aperture 50 millimeter Magnification (in X) 30 Telescope Resolving power (Angle) 2.5 second Telescope Field of View 1° 30' Minimum Focus distance 1.4 meter Reticle illumination Yes Compensation Range (±) 3 minute Compensator Setting Accuracy 2 second Laser Pointer Yes Type of Plummet Optical Accuracy of Plummet (±) 0.5 millimeter Magnification (Optical Plummet) 3X Field of View (Optical Plummet) (degrees) 5° Class of Laser (Laser Plummet) Class 2 Circular Vial (per 2 mm) 6 minute Plate / Tubular Vial (per 2 mm) 20 second Display Layout On Two Side Type of Display LCD Number of Display lines 3 line Measurement Entry Storage Capability (Data Sets) 5000 Tripod With Type of Tripod Metallic Number of Tripods inclusive in the scope of supply 1 Tribrach Type Detachable	SURVEYOR	5	35000	1,75,000	Competitive Open Bidding / E-Tender/ GeM

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35	Dumpy Level with all accessories	Magnification (in X)24 Objective Lens Aperture32 millimeter Field of View1'25' Minimum Focus Distance from the center of the Instrument0.3 meter Micrometer2 millimeter Accuracy (Standard Deviation per 1 km double - run levelling), with Micrometer (May indicate '0' for without micrometer)0 Circular Vial (Bubble) Accuracy (per 2 mm)8 minute Graduation on Horizontal Scale / Circle360 degree "Graduation Interval (Better Than or Equal to)"1 degree CompensatorMagnetic - damped Compensator with Automatic compensation Compensator Setting Accuracy0.5 second Salient FeaturesWith Gun Sight ,With 2-Speed Focusing Knob ,With Cross-line Reticle pattern Accessories inclusive in the scope of supplyDiagonal eyepiece ,40X exchangeable eyepiece with adopter ,Lens Cap ,Plumb Bob ,Vinyl Rain Cover ,Sunshade ,Cleaning Cloth ,Allen keys ,Hexagonal Wrench ,Tool Kit ,Adjustment Pin ,User Manual ,Carrying Case Minimum Operating Temperature-20 degree Celsius Maximum Operating Temperature50 degree Celsius WARRANTY1 year	SURVEYOR	6	12390	74,340	Competitive Open Bidding / E-Tender/ GeM
36	Motorised Bench Grinder	1 HP. 3 phase, 440V with DOL starter, Double side with smooth and rough wheel with Tool Base, rpm 2800, body Material Cast Iron, Disc Diameter 9", Wheel Size, 8 to 10 inch ,	Electrician	1	38000	38,000	Competitive Open Bidding / E-Tender/ GeM
37	Weather monitoring station	Wind direction measuring Range3 60 degree, Wind speed measuring Range , 60 to 75 m/sec, Temperature Measuring Range (degree Celsius) - 40 to 80, Humidity Measuring Range , RH100 percent, pressure Measuring Range 300 hecto Pasca , Measuring Cycle 2200 to3600 second, Secondary power supply Solar panel,	Solar Technician	1	150000	1,50,000	Competitive Open Bidding / E-Tender/ GeM
38	Motorized Bench Grinder	1 HP. 3 phase, 440V with DOL starter, Double side with smooth and rough wheel with Tool Base, rpm 2800, body Material Cast Iron, Disc Diameter 9", Wheel Size, 8 to 10 inch ,	Solar Technician	1	38000	38,000	Competitive Open Bidding / E-Tender/ GeM
39	Anemometer	Air velocity measurement accuracy:+/- 2percent , Air velocity measurement resolution(meter/sec): 0.1, Minimum measurable air velocity (meter/sec): 0.1 , Maximum measurable air velocity (meter/sec): 30, Measures Air velocity, Type: Vane Anemometer , Battery: Alkaline.	Solar Technician	1	15000	15,000	Competitive Open Bidding / E-Tender/ GeM
40	Room A.C. 1.5 ton capacity	Availability of BIS/ISI Mark certificationYes	FOA	1	37,573	2,25,438	Competitive Open

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		Air Conditioner ComplianceGreen AC BEE Star rating of the product (in Nos. ) (Central Ministries/ Departments while procuring shall ensure that the items carry 5 star (where annual usages is expected > 1000 hrs),3 Star (where usage is Limited) ("0" Star Rating means "Not Aplicable")5 Nominal Marketing capacity as per BEE Star Rating Label (hint: 1 Ton =	FB&SA	1			Bidding / E-Tender/ GeM
			STENOGRAPHER SECRETARIAL ASSISTANT (ENG.)	2			
			CH&NM	2			
41	Trainees locker	CConformity to Indian Standard IS:3314 latestYes Number of compartments (Nos)12 MaterialM.S sheet conforming to commercial quality CR- 1,Grade 340 of IS 513:2008 (reaffirmed 2013)(Fifth Revision)Amdt. no.1 Sheet Thickness of body, back shelves and pedestal (mm)(+/- 5%)0.8 Sheet Thickness of door (mm)(+/- 5%)0.8 HandleElectroplated Mild steel handle Height of dressers Without pedestal in mm (±5 mm)2000 Width of dressers in mm (±5 mm)910 Depth of dressers in mm (±5 mm)550	STENOGRAPHER SECRETARIAL ASSISTANT (ENG.)	2	12,000	1,68,000	Competitive Open Bidding / E-Tender/ GeM
			Auto Elect & Electronics	2			
			Tool & Die (J & F)	2			
			Welder (GMAW & GTAW)	2			
			CH&NM	6			
42	Chalk board/White board	PurposeWriting Mounting typeWall mounts Frame (All round framing)With Writing board placed onCore material and its backing material Top Surface materials (Used for white board surface)Vitreous enameled steel	Diesel Mechanic	1	1,600	6,400	Competitive Open Bidding / E-Tender/ GeM
			Electrician	1			
			Welder (GMAW & GTAW)	1			
			CH&NM	1			
43	Instructor's chair	Chair TypeNon-Revolutioning and Non-Tilting chair with Armrest Chair frame typeCantilever Armrest typeMoulded armrest continuously fitted with seat bottom to backrest Seat typePadded	Electrician	1	2,200	13,200	Competitive Open Bidding / E-Tender/ GeM
			Welder	2			
			SURVEYOR	1			
			CH&NM	2			
44	Instructor's table	Storageone side Total Number of Storage Unitstriple storage Table Top Material and Thickness (+/-2 mm)20 mm thick MDF Board of grade SBG II conforming to IS 12406 laminated with minimum 0.6 mm thick on Top side of type S, P or F having index 3.2.3 conforming to IS	Electrician	1	5,500	27,500	Competitive Open Bidding / E-Tender/ GeM
			Welder	2			
			SURVEYOR	1			
			CH&NM	1			
45	Steel almirah (BIG)	Technical specification of Almirah steel Type of Almirah steelAlmirah Steel shelving cabinets Number of door2 Number of shelves4 Colour of finishAsh Grey Almirah height(excluding the height of pedestal) ± 5 mm1830 mm Almirah width ± 5 mm900 mm Almirah depth ± 5 mm430 mm Side sheet thickness0.8 mm Back sheet thickness0.8 mm	SURVEYOR	2	14,400	57,600	Competitive Open Bidding / E-Tender/ GeM
			MCE&A	2			

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		Top sheet thickness0.8 mm Bottom sheet thickness0.8 mm Shelves sheet thickness0.8 mm Hinges sheet thickness1.25 mm(double folded) Width of stiffener115 mm Stiffener sheet thickness0.8 mm Handle size12 cm Steel Almirah lock/locker lockSix lever lock Material of lockBrass and Steel finish Finish coat with enamelsConforming to IS:151 Powder coatingWith 50 micron thickness minimum					
46	Steel almirah (Small)	Type of Almirah steelAlmirah Steel shelving cabinets Number of door2 Number of shelves3 Colour of finishAsh Grey Steel sheet materialCRCA sheets conforming to grade CRI of IS 513(part-1):2016 (with latest amendment) Sheet rounds and flatsConforming to grade E250 of IS 2062 Almirah height(excluding the height of pedestal) ± 5 mm1270 mm Almirah width ± 5 mm760 mm Almirah depth ± 5 mm430 mm Side sheet thickness0.8 mm Back sheet thickness0.8 mm Top sheet thickness0.8 mm Bottom sheet thickness0.8 mm Shelves sheet thickness0.6 mm Shelves supporting bracket thickness1.6 mm Hinges sheet thickness1.25 mm(double folded) Handle size12 cm Steel Almirah lock/locker lockSix lever lock Material of lockSteel	Welder (GMAW & GTAW)	4	8,000	32,000	Competitive Open Bidding / E-Tender/ GeM
47	Stool	Mode of supplyAssembled ready to use Style of StoolsSupported by set of Legs Design of StoolWith four legs only Approval of Advance sample (in respect of design)Yes Stools stand a load of100 Kg Top materialSolid wood Frame materialSeasoned Sheesham wood Leg materialSeasoned Sheesham wood			2,300	-	Competitive Open Bidding / E-Tender/ GeM

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
		Material of Understructure supporting the topOther wood Dimension of Top (length X Breadth) ±10mm300 mm x 300 mm Height of Stool ±10 mm450 mm Thickness of top material (+/-1 mm)13 mm Thickness of frame material (+/- 1 mm)25 mm Cross / Round /Square / Rectangular leg member size25 mm BeedingTop all side to be 5 mm thick teak wood beeding Paint / PolishPre treated and Epoxy powder coated finish Warranty period in number of years1					
48	Computer table	Type of Computer TableComputer table with key board drawer and table top Construction of Computer/Printer TableFour legs Colour of TopAs per Buyer's Choice Material of table top,keyboard and drawerOther wood Gable end and Modesty panel materialThree Layer prelaminate particles board(wood product) of grade II type III of IS 12823/Latest Leg MaterialCarved teak wood Table top thickness ±2mm9 millimeter Thickness of gable end and modesty panel ±2mm9 Dimension of leg(mmXmm) ±5mmNo legs Length of table in mm (±15 mm)915 millimeter Depth of table in mm (±10mm)610 millimeter Height of table in mm (±10mm)685 millimeter Type of keyboard trayWooden keyboard tray Material of footrestOther wood Material thickness of footrest ±2mm19mm Warranty period in number of years1	STENOGRAPHER SECRETARIAL ASSISTANT (ENG.) Auto Elect & Electronics SURVEYOR	25 2 5	5,300	1,69,600	Competitive Open Bidding / E-Tender/ GeM
49	Computer chair	Chair mechanismCentre pivot mechanism Type of lockingUpright locking Pedestal BaseNylon base Armrest MaterialPolypropylene Seat materialPressed and moulded with PU foam Backrest is made ofOne piece injection moulded frame Density of PU foam used in seat KG per Cu Meter (± 3)55 Density of PU foam used in backrest in KG per Cu Meter (±3)50 Backrest upholstered with100% Polyester Fabric Seat upholstered with100% polyester fabric GSM/Thickness of fabric ±5%(Gram/Square meter)250 gram	Steno English Auto Elect & Electronics SURVEYOR CH&NM	25 2 5 24	3,345	1,87,320	Competitive Open Bidding / E-Tender/ GeM

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
		Overall width (±10 mm)610 mm Backrest Height ±15 mm460 mm Backrest Width ±10 mm360 mm Seat Height ±10 mm460 mm Seat Width ±10 mm440 mm Seat Depth ±10 mm410 mm Thickness of MS Plate Joining the under structure with Seat0.4 mm Thickness of Plywood used in Seat ±1(mm)15 mm Thickness of Plywood used in Backrest ± 1(mm)15 mm Pedestal Size (Diameter in mm) ±10 mm620 mm Thickness of Polyurethane Foam Used in Seat in mm (±2 mm)35 mm Thickness of Polyurethane Foam Used in Backrest in mm((±2 mm)35 mm Warranty period in number of years2-years					
50	WORK BENCH	Mode of supplyAssembled Ready To Use Work bench having surfaceOnly Top surface Top surface materialSolid seasoned wood plank Bottom surface materialSolid seansoned wood plank Top frame materialMS angle Bottom frame materialMS angle Leg materialMS angle Length of top surface ± 10 mm2500 mm Width of top surface ± 10 mm1200 mm Height of Work benches ± 10 mm750 mm Thickness of top surface ± 1 mm50 mm Length of bottom surface ± 10 mm2225 mm Width of bottom surface ± 10 mm1075 mm Thickness of bottom surface ± 10 mm40 mm Size of top frame material (Length and Width of Frame can be 100 mm to 150 mm less from length & width of top surface)50 mm X 50 mm X 8 mm Size of bottom frame material50 mm X 50 mm X 8 mm Size of leg material50 mm X 50 mm X 8 mm Warranty period1-Year	Welder Welder (GMAW & GTAW)	4 5	28,900	2,60,100	Competitive Open Bidding / E-Tender/ GeM
51	DUAL DESK	Material of Desk Top +/- 2 mm (For shelf / storage +/- 4 mm)18 mm thick prelaminated Particle Board Material of Support Structure or Side PannelMild Steel Square Section of outside side minimum 25 mm and wall thickness minimum 1.2 mm Height of Desk Top in mm (±5 mm)750			3,000	-	Competitive Open Bidding / E-Tender/ GeM

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
		Width of Desk Top in mm ( $\pm 5$ mm)350 TYPE OF DESKINGINTEGRATED DESK CUM SEATING WITH SHELF / STORAGE UNDER DESK Desking ConfigurationTWO SEATER Length of Desking, Seating and Backrest (if provided) in mm ( $\pm 10$ mm)900 Material of Seat and Backrest (if provided) (+/- 2 mm (For back rest +/- 4 mm)18 mm thick prelaminated Particle Board Material of Support StructureMild Steel Square Section of outside side minimum 25 mm and wall thickness minimum 1.2 mm Material of Seat CushionWITHOUT CUSHION Width of Seating in mm ( $\pm 10$ mm)300 Height of Seat in mm ( $\pm 10$ mm)460 Width of backrest if provided in mm ( $\pm 5$ mm)No Backrest Back Support for Seating of Same materail as Seatingback support not provided Warranty period in number of years1					
52	Book shelf (glass panel)	Technical specification of Almirah steel Generally conforming to BIS specification IS: 3312:2021 (with latest amendment) Type of Almirah steel Almirah Steel with Glass door Number of door 2 Number of drawers required No Drawer Number of shelves 5 Colour of finish Ash Grey Steel sheet material CRCA sheets conforming to grade CRI of IS 513(part-1):2016 (with latest amendment) Almirah height(excluding the height of pedestal) $\pm 5$ mm 750 mm Almirah width $\pm 5$ mm 910 mm Almirah deoth $\pm 5$ mm 480 mm	Steno English Auto Elect & Electronics	2 2	8,000	32,000	Competitive Open Bidding / E-Tender/ GeM



Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
		Side sheet thickness 1 mm Back sheet thickness 1 mm Top sheet thickness 1 mm Bottom sheet thickness 1 mm Shelves sheet thickness 0.9 mm Hinges sheet thickness 1.25 mm(double folded) Number of glass sheet fixed 2 Handle size 12 cm Steel Almirah lock/locker lock Six lever lock Material of lock Brass and Steel finish Finish coat with enamels Stoving enamel					
53	Table for printers	Type of Computer TableComputer table with key board drawer and table top Construction of Computer/Printer TableGable end and modesty panel Colour of TopAs per Buyer's Choice Material of table top,keyboard and drawerMDF board of grade SBG II of IS 12406/Latest Gable end and Modesty panel materialFlat single layer prelaminated MDF board conforming to having designation PLMDF-23 of IS 14587/Latest Leg MaterialThree Layer prelaminated particles board(wood product) of grade II type III of IS 12823/Latest Table top thickness ±2mm19 millimeter Thickness of gable end and modesty panel ±2mm12 Length of table in mm (±15 mm)1200 millimeter Depth of table in mm (±10mm)760 millimeter Height of table in mm (±10mm)760 millimeter Type of keyboard trayMDF board keyboard tray Material thickness of footrest ±2mm12mm Warranty period in number of years1	Surveyor	1	7,606	7,606	Competitive Open Bidding / E-Tender/ GeM

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
54	UPS 5 KVA	Rating in KVA5.0 KVA Switching TechnologyIGBT-PWM Input VoltageAC Single phase 160V - 260V 50Hz Output VoltageAC Single phase 230V +/-1% 50 Hz Warranty for UPS (Years)3 Battery/Backup Bank Provided with Online UPS ( Hint: In case the UPS is supplied with battery, seller shall ensure compliance to the GST Rates as per recommendations made in the 45th Meeting of GST council dated 17th Sep 2021 )With Battery Type of Battery (hint: NA in case Battery not provided)SMF-VRLA conforming to JISC:8702(Pt.I,II&III), Stationary Lead Acid Batteries (with tubular positive plates) in monobloc container conforming to IS:13369:1992 latest Backup time (Minutes) (hint: NA in case battery not provided)30 Minutes Warranty for battery (Years) by Battery Manufacturer/Brand hint: NA in case battery not provided2 Inbuilt isolation transformerWith Overall Efficiency (%)>=90% with Inbuilt isolation transformer Overload limit20% Overload for minimum 10 minute ,20% Overload for minimum 5 minute ,50% Overload for minimum 1 minute ,50% Overload for minimum 3 seconds AccessoriesRack for Batteries ,Cabling 6 meters ( input upto 3m and output upto 3m) Type of Design / ConstructionFloor Standing	CH&NM	1	55080	55,080	Competitive Open Bidding / E-Tender/ GeM

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
55	UPS 1 KVA	<p>Rating in KVA1.0 KVA  Switching TechnologyIGBT-PWM  Input VoltageAC Single phase 160V - 260V 50Hz  Output VoltageAC Single phase 230V +/-1% 50 Hz  Warranty for UPS (Years)3  Battery/Backup Bank Provided with Online UPS ( Hint: In case the UPS is supplied with battery, seller shall ensure compliance to the GST Rates as per recommendations made in the 45th Meeting of GST council dated 17th Sep 2021 )With Battery  Type of Battery (hint: NA in case Battery not provided)SMF-VRLA conforming to JISC:8702(Pt.I,II&amp;III), Stationary Lead Acid Batteries (with tubular positive plates) in monobloc container conforming to IS:13369:1992 latest  Backup time (Minutes) (hint: NA in case battery not provided)15 Minutes  Warranty for battery (Years) by Battery Manufacturer/Brand hint: NA in case battery not provided3  Overall Efficiency (%)&gt;=90% &amp; &lt;94% without Inbuilt isolation transformer  Overload limit20% Overload for minimum 10 minute ,50% Overload for minimum 3 seconds  Type of Design / ConstructionFloor Standing</p>	MCE&A	4	17786	71,144	Competitive Open Bidding / E-Tender/ GeM
56	Power saw machine – hydraulic feed system	<p>Capacity of Square bar200 millimeter  Blade size16 inch  Capacity of Round Bar250 millimeter  Electric motor2 horsepower  V belts RequiredYes  Stroke140  Motor Speed, rpm1440  Number of Strokes per min125  Warranty2 year</p>	Turner Welder Welder GMAW & GTAW	3	36000	1,08,000	Competitive Open Bidding / E-Tender/ GeM

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
57	Drill machine pillar type-motorized	Type of Drill MachinePillar Type of Work TableRectangular DriveBelt Drive Drilling capacity in Steel having 600 Mpa tensile strength (mm)20 Drilling capacity in Cast Iron (mm)20 Tapping Capacity in Steel having 600 Mpa tensile strength (mm)20 millimeter Spindle Travelmanual Spacing of T Slots (mm)20 millimeter Discharge of Coolant Pump at max working height (Liter per min)0.5 Machine Vice ArrangementFixed Base No of feed0 Pillar length , (mm)1170 millimeter Pillar Diameter (mm)50 millimeter Travel Horizontal (mm/min)130 Normal Size of Machine Vice (mm)80 Cutting Speed (m per min)0 Type of FeedManual Feed Feed (mm per rev) ,if manual feed put 00 Distance between centre of spindle & pillar front (mm)645 millimeter Distance Between Spindle and Base Plate , Max as per IS :7764 with latest amdmt (mm)645 millimeter Motor Output (hP)1 horsepower Auxiliary MotorNo Conformity to standards for purchahse specification for Machine Tools , Part 6 Bench /Pillar type Drill MachineIS : 6893-6 (1985) with latest amndmt. Geometric and Practical Drilling machine Accuracy as per IS 2425 & IS 2426 with latest amndmntYes Mechanical Gurading as per IS : 9474-1980 with latest amndmnt.Yes Frame Size and Mounting for Motor as per IS : 1231:1974 with latests amndmtYes Weight of Drill Machine with Electrical and Standards accessories (kg)96 kilogram Maximum weight of the job including fixture that can be loaded on the work table (kg)40 kilogram	Turner		22500	-	Competitive Open Bidding / E-Tender/ GeM
58	Desktop computer (All in one)	Processor Intel, Processor Generation12 Intel Core i7 Processor, Operating System (Factory Pre-Loaded)Windows 11 Professional; RAM Size (GB)16 RAM Expandability up to( using spare DIMM Slots in GB)64, Total SSD Capacity (GB)1024 Display Size (INCHES)23.8 Panel TechnologyIPS Display Resolution (PIXELS)1920x1080 Availability of Webcam integrated with DisplayYes On Site OEM Warranty (Year)5	Smart Class Room	2	82,000	1,64,000	Competitive Open Bidding / E-Tender/ GeM

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
59	Printer (Laser)	Cartridge Technologyseparate toner and drum, Printing TechnologyLaser Type of PrintingMono, Paper SizeA4 Print Speed per minute as per ISO/IEC 24734 in (A4) Size - Mono22, Wireless ConnectivityYes, Number of Main Paper Trays1, On site OEM warranty (Years)1	Smart Class Room	2	18,000	36,000	Competitive Open Bidding / E-Tender/ GeM
60	Computer Chair	Chair mechanismCentre pivot mechanism Type of lockingUpright locking Pedestal BaseNylon base Armrest MaterialPolypropylene Seat materialPressed and moulded with PU foam, Seat Height $\pm 10$ mm460 mm Seat Width $\pm 10$ mm440 mm Seat Depth $\pm 10$ mm410 mm	Smart Class Room	2	4,000	8,000	Competitive Open Bidding / E-Tender/ GeM
61	Computer Table	Type of Computer TableComputer table with key board drawer and table top Construction of Computer/Printer TableFour legs Colour of TopAs per Buyer's Choice Material of table top,keyboard and drawerOther wood, Length of table in mm ( $\pm 15$ mm)915 millimeter Depth of table in mm ( $\pm 10$ mm)610 millimeter Height of table in mm ( $\pm 10$ mm)685 millimeter	Smart Class Room	2	5,500	11,000	Competitive Open Bidding / E-Tender/ GeM
62	Printer table	Table top thickness $\pm 2$ mm19 millimeter Thickness of gable end and modesty panel $\pm 2$ mm12 Length of table in mm ( $\pm 15$ mm)1200 millimeter Depth of table in mm ( $\pm 10$ mm)760 millimeter Height of table in mm ( $\pm 10$ mm)760 millimeter Type of keyboard trayMDF board keyboard tray Material thickness of footrest $\pm 2$ mm12mm Warranty period in number of years1	Smart Class Room	2	4,500	9,000	Competitive Open Bidding / E-Tender/ GeM
63	Trainees Chairs		Smart Class Room	25	3,500	87,500	Competitive Open Bidding / E-Tender/ GeM
64	Discussion Table		Smart Class Room	2	25,000	50,000	Competitive Open Bidding / E-Tender/ GeM

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
65	Interactive Panel	Display TypeLCD Display Panel Diagonal size (mm)2159 Width of The Effective Display Area of The Panel (mm)1872 Height of The Effective Display Area of The Panel (mm)1052 Backlight TechnologyLED Display Resolution (Pixels)3840X2160 Display Brightness (Nits)400 Touch interfaceTouch sensitive as well as pen driven Touch TechnologyInfrared optical Number of touch points (Number)20 Response time (milli seconds)5 Provision of in built speakersYes On Site OEM Warranty (Year)3	Smart Class Room	1	1,75,000	1,75,000	Competitive Open Bidding / E-Tender/ GeM
66	Speakers System with Mic		Smart Class Room	1	10,000	10,000	Competitive Open Bidding / E-Tender/ GeM
67	Air Conditioner (Split 1.5 ton)	Availability of BIS/ISI Mark certificationYes Air Conditioner ComplianceGreen AC BEE Star rating of the product (in Nos. ) (Central Ministries/ Departments while procuring shall ensure that the items carry 5 star (where annual usages is expected > 1000 hrs),3 Star (where usage is Limited) ("0" Star Rating means "Not Aplicable")5 Nominal Marketing capacity as per BEE Star Rating Label (hint: 1 Ton = 3000 Kcal/Hr, Tolerance +/- 10%) (in Ton)1.5 Technology of air conditionerInverter AC - Variable Speed Unit Mounting ArrangementIndoor Unit - Wall Mount type ISEER (Wh/Wh) values for compliance of Green AC≥/ = 5.4 for 1.5 Ton Rated voltage (in Volts)230 V, 1 Phase, 50 Hz, AC Classification by functionCooling only (Cooling and dehumidification during cooling mode) Material of EvaporatorCopper Material of CondenserCopper AC Machine warranty (in Years)1 Warranty on compressor (in Years)10 (for Inverter AC upto including 2 Ton capacity) InstallationStandard Installation included (Scope of installation as per STC attached)	Smart Class Room	2	38,000	76,000	Competitive Open Bidding / E-Tender/ GeM

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
68	UPS (1 KVA)	<p>Rating in KVA 1.0 KVA  Switching Technology IGBT-PWM  Input Voltage AC Single phase 160V - 260V 50Hz  Output Voltage AC Single phase 230V +/-1% 50 Hz  Warranty for UPS (Years) 3  Battery/Backup Bank Provided with Online UPS ( Hint: In case the UPS is supplied with battery, seller shall ensure compliance to the GST Rates as per recommendations made in the 45th Meeting of GST council dated 17th Sep 2021 )  With Battery  Type of Battery (hint: NA in case Battery not provided) SMF-VRLA conforming to JISC:8702(Pt.I,II&amp;III), Stationary Lead Acid Batteries (with tubular positive plates) in monobloc container conforming to IS:13369:1992 latest  Backup time (Minutes) (hint: NA in case battery not provided) 15 Minutes  Overall Efficiency (%) &gt;=90% &amp; &lt;94% without Inbuilt isolation transformer  Overload limit 20% Overload for minimum 10 minute ,50% Overload for minimum 3 seconds  Type of Design / Construction Floor Standing</p>	Smart Class Room	2	18,000	36,000	Competitive Open Bidding / E-Tender/ GeM
69	Laptop	<p>Processor Intel, Processor Generation 12  Processor Description Intel Core i7,  Operating System (Factory Pre-Loaded) Windows 11 Home, RAM Size (GB) 16,  Capacity of each SSD (GB) 512  Wireless Connectivity Yes  Display Size (Inch) 15.6  Display Resolution (Pixels) 1920x1080  Battery Warranty 3  On Site OEM Warranty (Year) (OEM/ Authorised channel partner shall note that W/G to be fulfilled by OEM at site) 3</p>	TCPC	1	95,000	95,000	Competitive Open Bidding / E-Tender/ GeM

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
70	Computer Chair	Type of Computer TableComputer table with key board drawer and table top Construction of Computer/Printer TableFour legs Colour of TopAs per Buyer's Choice Material of table top,keyboard and drawerOther wood, Length of table in mm ( $\pm 15$ mm)915 millimeter Depth of table in mm ( $\pm 10$ mm)610 millimeter Height of table in mm ( $\pm 10$ mm)685 millimeter	TCPC	1	5,500	5,500	Competitive Open Bidding / E-Tender/ GeM
71	Computer Table	Table top thickness $\pm 2$ mm19 millimeter Thickness of gable end and modesty panel $\pm 2$ mm12 Length of table in mm ( $\pm 15$ mm)1200 millimeter Depth of table in mm ( $\pm 10$ mm)760 millimeter Height of table in mm ( $\pm 10$ mm)760 millimeter Type of keyboard trayMDF board keyboard tray Material thickness of footrest $\pm 2$ mm12mm Warranty period in number of years1	TCPC	1	4,500	4,500	Competitive Open Bidding / E-Tender/ GeM



Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
72	Photo Copier	Print TechnologyLaser Type of MachineMultifunction Machine Type of PrintingMono Cartridge TechnologySeparate Drum and Toner (Dual Component) Platen/Flatbed SizeA3 Paper Size (Original/Image)A3/A3 RAM size (MB)4096 Hard Disk Capacity(GB)128 Minimum Speed per Minute as per ISO/IEC 24734 in A4 Size- Mono35 Scanning Feature AvailabilityYes Duplexing Feature AvailabilityYes Faxing Feature AvailabilityNo Networking Feature AvailabilityYes Original Document Feeder TypeDADF/RADF Number of Main Paper Tray2 Bypass FacilityYes On Site OEM Warranty (Year)1 VIEW LESS	TCPC	1	2,00,000	2,00,000	Competitive Open Bidding / E-Tender/ GeM
73	Air Conditioner (Split 1.5 ton)	Availability of BIS/ISI Mark certificationYes Air Conditioner ComplianceGreen AC BEE Star rating of the product (in Nos. ) (Central Ministries/ Departments while procuring shall ensure that the items carry 5 star (where annual usages is expected > 1000 hrs),3 Star (where usage is Limited) ("0" Star Rating means "Not Aplicable")5 Nominal Marketing capacity as per BEE Star Rating Label (hint: 1 Ton = 3000 Kcal/Hr, Tolerance +/- 10%) (in Ton)1.5 Technology of air conditionerInverter AC - Variable Speed Unit Mounting ArrangementIndoor Unit - Wall Mount type ISEER (Wh/Wh) values for compliance of Green AC≥/ = 5.4 for 1.5 Ton Rated voltage (in Volts)230 V, 1 Phase, 50 Hz, AC Classification by functionCooling only (Cooling and dehumidification during cooling mode) Material of EvaporatorCopper Material of CondenserCopper AC Machine warranty (in Years)1 Warranty on compressor (in Years)10 (for Inverter AC upto including 2 Ton capacity) InstallationStandard Installation included (Scope of installation as per STC attached)	TCPC	2	38,000	76,000	Competitive Open Bidding / E-Tender/ GeM

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
74	UPS (1 KVA)	<p>Rating in KVA 1.0 KVA  Switching Technology IGBT-PWM  Input Voltage AC Single phase 160V - 260V 50Hz  Output Voltage AC Single phase 230V +/-1% 50 Hz  Warranty for UPS (Years) 3  Battery/Backup Bank Provided with Online UPS ( Hint: In case the UPS is supplied with battery, seller shall ensure compliance to the GST Rates as per recommendations made in the 45th Meeting of GST council dated 17th Sep 2021 )  With Battery  Type of Battery (hint: NA in case Battery not provided) SMF-VRLA conforming to JISC:8702(Pt.I,II&amp;III), Stationary Lead Acid Batteries (with tubular positive plates) in monobloc container conforming to IS:13369:1992 latest  Backup time (Minutes) (hint: NA in case battery not provided) 15 Minutes  Overall Efficiency (%) <math>\geq</math>90% &amp; <math>&lt;</math>94% without Inbuilt isolation transformer  Overload limit 20% Overload for minimum 10 minute ,50% Overload for minimum 3 seconds  Type of Design / Construction Floor Standing</p>	TCPC	1	18,000	18,000	Competitive Open Bidding / E-Tender/ GeM
75	Speakers System with Mic		TCPC	1	8,000	8,000	Competitive Open Bidding / E-Tender/ GeM
76	Led TV (56")	<p>Screen Size (Inches) 43  Resolution (Pixels) (1920 x 1080) Full HD  Category Smart  Typical Brightness 300 - 399  If Yes, Wattage of Speakers 10W x 2</p>	TCPC	2	45,000	90,000	Competitive Open Bidding / E-Tender/ GeM

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
77	Scanner	Scanner TypeIntegrated Sheet Fed & Flat Bed Scanning TechnologyCCD Document SizeA3+ Optical Resolution (Dpi)600 Simplex Monochrome Scan Speed for document @200dpi/@300dpi/@400dpi/@600 dpi/@1200dpi as applicable (ppm)120 Simplex Colour Scan Speed for document @200dpi/@300dpi/@400dpi/@600 dpi/@1200dpi as applicable (ppm)120 Duplex Monochrome Scan Speed for document @200dpi/@300dpi/@400dpi/@600 dpi/@1200dpi as applicable (ppm)240 Duplex Colour Scan Speed for document @200dpi/@300dpi/@400dpi/@600 dpi/@1200dpi as applicable (ppm)240 Daily Duty Cycle (Number of Pages)20000 BIS Registration as per Compulsory Registration Scheme under Gazette of India Notification number SO 2357(E) dated 07/09/2012 issued by Department of Electronics and Information TechnologyYes On Site OEM Warranty (Year)3	E office	2	21,906	43,812	Competitive Open Bidding / E-Tender/ GeM
78	Face Recognition Biometric Attendance System	Face Recognition TechnologyLocal Server Based Type of Face Recognition Biometric Attendance SystemEmbedded Linux Based Face Storage Capacity300 If Yes, Fingerprint Storage Capacity1500 Screen Resolution480 x 320 Processor Speed (GHz)1 RAM512 megabyte Storage2048 megabyte Identify ModeFace and FP and Card and PIN (All Combination) Enrolment Time2 second Power Source230 V +/- 10% V AC, 50 Hz Mobile Device Management (MDM) License and Support1 Year Mobile Device Management Hosting (MDM)Cloud Based On Site OEM Warranty (Year)1	E office	2	8,121	16,242	Competitive Open Bidding / E-Tender/ GeM
79	Steel Rule with metric & British	150 mm, Stainless Steel graduated both in English & Metric units	Fitter	68	60	7,500	Competitive Open

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
	graduation (150mm)		MMV	4			Bidding / E-Tender/ GeM
			T & D	21			
			Turnner	32			
80	Steel Rule with metric & British graduation (300mm)	30 cm graduated both in English & Metric units	Machinist	19	100	15,300	Competitive Open Bidding / E-Tender/ GeM
			Fitter	5			
			MAEE	12			
			Plumber	33			
			Electrician	84			
81	Measuring Steel Tap (5m)	5 meter, Body Material: Tough ABS, Polymer Coated Blade, Durable Steel	Electrician	84	50	5,850	Competitive Open Bidding / E-Tender/ GeM
			Plumber	33			
82	Micrometer outside (0 - 25mm)	0 - 25 mm Stainless Steel, Tungsten Carbide Measuring Faces, Made In Japan (LEAST COUNT 0.01 MM)	Electrician	4	5,000	75,000	Competitive Open Bidding / E-Tender/ GeM
			T & D	2			
			MMV	2			
			MAEE	4			
			Machinist	2			
			Turnner	1			
83	Micrometer outside (25 - 50mm)	25 - 50 mm Stainless Steel, Tungsten Carbide Measuring Faces, Made In Japan (LEAST COUNT 0.01 MM)	MAEE	4	5,500	60,500	Competitive Open Bidding / E-Tender/ GeM
			T & D	3			
			MMV	2			
			Machinist	1			
			Turnner	1			
84	Micrometer outside (50 - 75mm)	50 - 75 mm Stainless Steel, Tungsten Carbide Measuring Faces, Made In Japan (LEAST COUNT 0.01 MM)	MMV	1	6,000	30,000	Competitive Open Bidding / E-Tender/ GeM
			T & D	3			
			MAEE	1			
85	Micrometer outside (75 - 100mm)	75 to 100 mm Stainless Steel, Tungsten Carbide Measuring Faces, Made In Japan (LEAST COUNT 0.01 MM)	MMV	1	7,000	7,000	Competitive Open Bidding / E-Tender/ GeM
86	Digital Micrometer outside. (0-25mm)	0 - 25 mm L.C. 0.001 mm.Electronic Micrometer LCD, character height 7.5 mm Carbide-tipped, micro-lap finish, Thimble and sleeve satin chrome finish Made In Japan	Fitter	2	4,500	18,000	Competitive Open Bidding / E-Tender/ GeM
			MACHINIST	1			
			TURNER	1			
87	Digital Micrometer outside. (25-50mm)	25 - 50 mm L.C. 0.001 mm.Electronic Micrometer LCD, character height 7.5 mm Carbide-tipped, micro-lap finish, Thimble and sleeve satin chrome finish Made In Japan	TURNER	1	5,000	5,000	Competitive Open Bidding / E-Tender/ GeM
88	Micrometer inside with extension rods. (up to 150 mm)	With extension rods up to 150 mm Stainless Steel, Tungsten Carbide Measuring Faces, Made In Japan (LEAST COUNT 0.01 MM)	Fitter	2	12,000	24,000	Competitive Open Bidding / E-Tender/ GeM
89	Micrometer Depth Gauge (0-25 mm)	Accuracy 0.01 mm with standard set of extension rods up to 200 mm Made In Japan	Fitter	1	5,000	5,000	Competitive Open Bidding / E-Tender/ GeM

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
90	Micrometer Depth Gauge (0-150mm)	0 to 150 mm, Least Count 0.01 mm with NABL Accredited lab. Certificate , interchangeable rods, with lapped measuring end Made In Japan	TURNER	2	7,000	14,000	Competitive Open Bidding / E-Tender/ GeM
91	Micrometer depth gauge (0-200mm)	0-200 mm Reading 0.01 mm with NABL Accredited lab. Certificate. interchangeable rods, with lapped measuring end Made In Japan	MACHINIST	1	8,000	8,000	Competitive Open Bidding / E-Tender/ GeM
92	Vernier caliper (0-150mm)	150 mm with least count = 0.02 mm, Four-way measurement capability for outside dimension (OD), inside dimension (ID), depth, and step measurements, Calliper & Slide Made of Hardened Corrosion Free Steel, Made In Japan	Fitter	3	3,800	11,400	Competitive Open Bidding / E-Tender/ GeM
93	Vernier caliper (0-200mm)	200 mm with least count = 0.02 mm, Four-way measurement capability for outside dimension (OD), inside dimension (ID), depth,	Machinist	11	4,500	67,500	Competitive Open Bidding / E-Tender/ GeM
			Turnner	4			
94	Vernier caliper (0-300mm)	0-300 mm with least count 0.02mm, Four-way measurement capability for outside dimension (OD), inside dimension (ID), depth, and step measurements, Calliper & Slide Made of Hardened Corrosion Free Steel, Made In Japan	T & D	1	7,500	75,000	Competitive Open Bidding / E-Tender/ GeM
			Machinist	1			
			MMV	4			
			MAEE	4			
95	Vernier height gauges (0-300mm)	0 - 300 mm with least count = 0.02 mm, Carbide-tipped scribe, Slide Made of Hardened Corrosion Free Steel, Made In Japan	Fitter	2	22,000	66,000	Competitive Open Bidding / E-Tender/ GeM
			T & D	1			
96	Vernier bevel protractor Blade with Acute Angle Attachment	0 - 300 mm, Accuracy $\pm 5'$ , stainless steel ,corrosion resistance Made In Japan	Fitter	1	6,500	32,500	Competitive Open Bidding / E-Tender/ GeM
			Turnner	4			
97	Vernier caliper (Digital) (0-150mm)	0 - 150 mm with least count 0.02mm Digital, single-value readout lcd display in metric units measuring Internal Dia , Outer Dia , Depth and Steps stainless steel ,corrosion resistance Made In Japan	Fitter	2	6,000	24,000	Competitive Open Bidding / E-Tender/ GeM
98	Vernier caliper (Digital) (0-200mm)	0 - 200 mm L.C. 0.01 mm Digital, single-value readout lcd display in metric units measuring Internal Dia , Outer Dia , Depth and Steps stainless steel ,corrosion resistance Made In Japan (Optional)	Fitter	2	5,000	10,000	Competitive Open Bidding / E-Tender/ GeM
99	Vernier caliper (Digital) (0-300mm)	0- 300 mm Digital, single-value readout lcd display in metric units measuring Internal Dia , Outer Dia , Depth and Steps stainless steel ,corrosion resistance Made In Japan	MACHINIST	1	8,000	8,000	Competitive Open Bidding / E-Tender/ GeM
100	Dial Vernier Caliper (0-200mm)	200 mm, Least Count 0.05 mm Dial Vernier Caliper measuring Internal Dia , Outer Dia , Depth and Steps stainless steel ,corrosion resistance Made In Japan	TURNER	4+2	4,000	24,000	Competitive Open Bidding / E-Tender/ GeM
101	Dial Vernier caliper. (Universal type)	0 - 300 mm, LC 0.05 mm, Dial Vernier Caliper measuring Internal Dia , Outer Dia , Depth and Steps stainless steel ,corrosion resistance	Fitter	2	4,500	27,000	Competitive Open Bidding / E-Tender/ GeM
			Turner	4			

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102	Vernier Bevel protector (150mm)	LC. : 5min (150mm blade) Range :0-360° Material :Stainless Steel with NABL Accredited lab. Certificate Made In Japan	Fitter	2	6,000	12,000	Competitive Open Bidding / E-Tender/ GeM
103	Vernier Bevel Protractor (300mm)	LC. : 5min (300mm blade) Range :0-360° Material :Stainless Steel with NABL Accredited lab. Certificate Made In Japan	TURNER	4	8,000	32,000	Competitive Open Bidding / E-Tender/ GeM
104	Combination set (300mm)	300 mm (Complete Set), Square head, Protractor head, Center head, stainless steel rule (blade), Made In Japan	TURNER	4	2,000	16,000	Competitive Open Bidding / E-Tender/ GeM
			T & D	1			
			Fitter	3			
105	Screw thread micrometer (0 - 25 mm)	0 - 25 mm LC 0.01 mm , with interchangeable. Pitch anvils for checking metric threads 60. 6 pairs of measuring tips metric and unified thread (60° thread angle)	Fitter	2	5,000	10,000	Competitive Open Bidding / E-Tender/ GeM
106	Screw pitch gauge Metric (0.25 to 6 mm)	0.25 to 6 mm, stainless steel material. For both external and internal threads Range :- 0.25 to 6mm - Metric 60o	Machinist	1	2,000	4,000	Competitive Open Bidding / E-Tender/ GeM
			Turner	1			
107	Telescopic Gauge (8 mm to 150 mm)	8 mm to 150 mm Telescoping Gauge Set 6 gages per set For quick measurement of the inside diameter of holes and width of slots	MACHINIST	1	20,000	1,00,000	Competitive Open Bidding / E-Tender/ GeM
			MAEE	4			
108	Slip Gauge (in Box)	Metric - 87 Pieces Set	MACHINIST	1	25,000	25,000	Competitive Open Bidding / E-Tender/ GeM
109	Ring gauges (5 mm to 25 m)	5 mm to 25 m by 2.5 mm (GO & NO GO)	MACHINIST	1	3,000	3,000	Competitive Open Bidding / E-Tender/ GeM
110	Taper gauge	M.T. No. 1, 2, 3, 4 & 5	MACHINIST	1	5,000	5,000	Competitive Open Bidding / E-Tender/ GeM
111	Radius Gauge - Set (1 mm to 25 mm)	1 mm to 25 mm by 0.5 mm	TURNER	4	300	1,200	Competitive Open Bidding / E-Tender/ GeM
112	Universal Dial Test Indicator - Plunger Type (Range 0 - 10 mm)	Range 0 - 10 mm, Graduation 0.01 mm complete with Clamping Devices and Magnetic Stand	TURNER	1	1,500	1,500	Competitive Open Bidding / E-Tender/ GeM
113	Universal vernier caliper (200 mm)	200 mm, with 0.02 mm least count	T & D	6	15,000	90,000	Competitive Open Bidding / E-Tender/ GeM
114	Dial test indicator-Lever type-Range (0-0.8 mm Graduation 0.01mm)	0-0.8 mm Graduation 0.01mm, reading 0-50-0 with accessories	T & D	1	3,000	3,000	Competitive Open Bidding / E-Tender/ GeM
115	Dial test indicator Plunger type-Range (0-10 mm , Graduation 0.01 mm)	0-10 mm , Graduation 0.01 mm, Reading 0-100 with revolution counter	T & D	2	6,500	13,000	Competitive Open Bidding / E-Tender/ GeM

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116	Vacuum gauge (0 to 760 mm of Hg)	0 to 760 mm of Hg.	MMV	1	235	235	Competitive Open Bidding / E-Tender/ GeM
117	Tachometer (Contact & Non Contact Digital Tachometer)	Type:- Contact & Non Contact Digital Tachometer Surface Speed: 0.05 to 1999.9 m/min. Testing Parameters: rpm, m/min, ft/min. Contact Testing Range: 0.5-19999 rpm Non Contact Testing Range: 5-99999 rpm	MMV	1	2,500	2,500	Competitive Open Bidding / E-Tender/ GeM
118	Wire Gauge	Wire Gauge - Metric wire imperial stainless steel marked in SWG & mm	Electrician	8	400	3,200	Competitive Open Bidding / E-Tender/ GeM
119	Surface gauge with dial test indicator plunger type i.e. 0.01 mm	Dial Test Indicator LEAST COUNT 0.01MM , No-clutch structure for automatic reversal of measuring direction. Resistant to water and dust thanks to the one piece bezel and O-ring seal for the crystal. High sensitivity and quick response due to low friction jeweled bearing.	MAEE	2	12,000	24,000	Competitive Open Bidding / E-Tender/ GeM
120	Solid parallels in pairs (different sizes) in Metric( set of 20 pairs)	Made from tool steel, hardened, tempered & precision ground in machine pairs, Matched pairs are marked with identical serial numbers, All Sides are chamfered., Hardened & Tempered 52 - 56 HRC, Parallelism within 0.005mm up to 200mm length , ( set of 20 pairs)	MACHINIST	1	10,000	10,000	Competitive Open Bidding / E-Tender/ GeM
121	Tyre pressure gauge with holding nipple	Quick and precise tire pressure readings up to 100 PSI-. With shockproof ring , good appearance and corrosion resistance. Clear display, easy to read even in the very low light condition., Material: plastic, Panel diameter: approx 7cm/2.8-inch, Range: 0-7kg/cm², 0-100 lbs-/in	MMV	2	320	640	Competitive Open Bidding / E-Tender/ GeM
122	Binocular	Magnification (x) 16 ,Objective diameter (mm) 42,Angular field of view (Real/degree) 8, Angular field of view (Apparent/degree) 58.4 ,Field of view at 1,000m ,140, (m),Exit pupil (mm) 5.3,Relative brightness 28.1, Eye relief (mm) 17.1, Close focusing distance (m) 2.5,Interpupillary distance adjustment (mm) 56-72	Surveyor	4	3,700	14,800	Competitive Open Bidding / E-Tender/ GeM
123	Table Vice (100 mm Jaw)	Table Vice 100 mm jaw, Heavy Duty, Weight 5-8 kg with Hardened knurled steel jaws, Fine acme thread screw,	Electrician	14	1,500	21,000	Competitive Open Bidding / E-Tender/ GeM
124	Bench Vice (150 mm)	150 mm, Heavy Duty, Weight 9-10 kg with Hardened knurled steel jaws, Fine acme thread screw,	WELDER	4	6,000	24,000	Competitive Open Bidding / E-Tender/ GeM

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125	Magnetic vice (200 mm)	200 mm, POLES INDIVIDUALLY MAGNETIZED FOR FULLY LOADING POWER POLE PICH DIFFERENT 30 MM 15 + 2.5 + 10 + 2.5 MM EASY OPERATED ON-OFF LEVER BOTTOM PLATE SHOULD HAVE SUITABLE EXTENSION TO CLAMP ON TABLE	T & D	2	23,000	46,000	Competitive Open Bidding / E-Tender/ GeM
126	Tools makers vice (100 mm)	100mm JAW,L 200 mm, W 8 kg , TOOL STEEL HARDENED 55-60 HRC. ACCURACY FOR SQUARENESS, FLATNESS & PARALLELISM WITHIN 0.010MM WEAR PLATE AT BOTTOM TO PREVENT LIFTING OF JAW. HARDENED CLAMPING SCREW WITH SQUARE THREAD & GUN METAL NUT. TENON AT BOTTOM TO ALLOW EASY ALIGNMENT WITH MACHINE BED.	MCAE	1	2,500	2,500	Competitive Open Bidding / E-Tender/ GeM
127	Machine vice.- Fixed Base (100 mm Jaw)	Machine vice - Fixed Base,100 mm jaw, Heavy Duty, Weight 9-10 kg with Hardened knurled steel jaws, Fine acme thread screw,	Fitter	3	4,000	12,000	Competitive Open Bidding / E-Tender/ GeM
128	Machine vice - Swivel Base (100 mm Jaw)	Machine vice - Swivel Base 100 mm jaw, Heavy Duty, Weight 10-12 kg with Hardened knurled steel jaws, Fine acme thread screw,	Fitter	1	4,000	4,000	Competitive Open Bidding / E-Tender/ GeM
129	Machine vice - Swivel Base (125 mm Jaw)	Machine vice - Swivel Base 125 mm jaw, Heavy Duty, Weight 12-15 kg with Hardened knurled steel jaws, Fine acme thread screw,	Fitter	1	4,200	4,200	Competitive Open Bidding / E-Tender/ GeM
130	Machine vice (200 mm Jaw)	Machine vice - Swivel Base 200 mm jaw, Heavy Duty, Weight 15-18 kg with Hardened knurled steel jaws, Fine acme thread screw,	MACHINIST	2	5,000	10,000	Competitive Open Bidding / E-Tender/ GeM
131	Adjustable pipe die set BSP	cover pipe size 1" or 3/4" ,ADJUSTABLE PIPE DIE STOCK (BSP/BSC), Weight 11Kg	Fitter	1	5,000	5,000	Competitive Open Bidding / E-Tender/ GeM
132	Pipe vice (up to 77 mm)	to grip up to 77 mm IS - 2587, replaceable steel jaws - machined, hardened, and tempered. The handle and main screw is also made of steel while the frame and base is made of strong SG Ductile Iron.	Plumber	4	2,500	10,000	Competitive Open Bidding / E-Tender/ GeM
133	Pipe vice (up to 100mm)	To grip up to 100 mm replaceable steel jaws - machined, hardened, and tempered. The handle and main screw is also made of steel while the frame and base is made of Cast Iron	Electrician	4	3,500	14,000	Competitive Open Bidding / E-Tender/ GeM



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134	Pipe bender machine spool type with stand manually operated. (up to 25 mm cold bending)	Up to 25 mm cold bending, Weight :25 Kg, Bending Formers: 3/8, 1/2, 9/16, 5/8, 3/4, 7/8, 1 Inch, Ductile Cast Iron Dies, Strength, Toughness & Plasticity are Good, Durable & Not Easily Broken	Fitter	2	12,000	24,000	Competitive Open Bidding / E-Tender/ GeM
135	Angle plate (size 200x100x200mm)	Size 200x100x200mm Cast Iron Angle Plate-Slotted is made out of high quality seasoned casting having precision ground outside faces & ends , Machined slots for clamping on both faces Accuracy in parallelism & squareness within +- 0.01mm per 200mm length	MAEE	2	5,000	10,000	Competitive Open Bidding / E-Tender/ GeM
136	Angle plate adjustable (Size 250x150x175mm)	Size 250x150x175mm Heavy duty cast Iron Graduated 0 – 90° range Ground table surface Machined t-slots 2 screw locks provided for setting purposes	MAEE	1	9,000	9,000	Competitive Open Bidding / E-Tender/ GeM
137	V' Block 75 x 38 mm pair with Clamps	UNIFORM AND STRONG MAGNETIC PULL TO ALL THE SURFACE, TOP BOTTOM & V FACES. A precision 'V' block	MAEE	2	6,000	24,000	Competitive Open Bidding / E-Tender/ GeM
			MMV	2			
138	Try Square. (150 mm blade)	Having length of 150 mm blade & having markings in inches, cm & mm made of Hardened Steel With heavy base	Fitter	64	200	14,600	Competitive Open Bidding / E-Tender/ GeM
			Electrician	2			
			RAC	7			
139	Try Square. (200 mm blade)	Having length of 200 mm blade & having markings in inches, cm & mm made of Hardened Steel With heavy base	carpenter	45	250	11,250	Competitive Open Bidding / E-Tender/ GeM
140	Engineers Square (100 mm)	100 mm Steel Polished Finish Engineer's Square with knife edge	T & D	12	200	2,400	Competitive Open Bidding / E-Tender/ GeM
141	Caliper inside spring type. (150 mm)	150 mm Centrally mounted adjustment screw offers finer setting, than firm joint type, MEASURING POINT HARDED (ISI)	Fitter	36	160	13,120	Competitive Open Bidding / E-Tender/ GeM
			MAEE	16			
			Electrician	4			
			Machinist	22			
			carpenter	4			
142	Caliper outside spring type (150 mm)	150 mm Centrally mounted adjustment screw offers finer setting, than firm joint type, MEASURING POINT HARDED (ISI)	Fitter	37	160	16,960	Competitive Open Bidding / E-Tender/ GeM
			MAEE	16			
			Electrician	4			
			Machinist	13			
			Turnner	32			
			carpenter	4			

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143	Caliper hermaphrodite spring type (150 mm)	150 mm Centrally mounted adjustment screw offers finer setting, than firm joint type, MEASURING POINT HARDED (ISI)	Fitter	43	180	11,340	Competitive Open Bidding / E-Tender/ GeM																																																																																																												
			Machinist	20				144	Divider spring type (150 mm)	Divider 150 cm spring Manufactured from good Quality High Carbon steel tips hardend and tempered,	Fitter	36	150	16,200	Competitive Open Bidding / E-Tender/ GeM	MAEE	16	Electrician	4	Machinist	20	Turnner	32	145	Scriber (150 mm)	Scriber 150mm length Scriber 150 mm X 3mm (Knurled centre position) spring made of high Carbon steel and point Hardened & temp	Fitter	51	50	7,800	Competitive Open Bidding / E-Tender/ GeM	MAEE	12	Turnner	32	Plumber	20	Machinist	41	146	Centre Punch (10 mm X 100-120 mm)	10 mm and Length 100-120 mm is made from hardened and tempered steel. Square heads, knurled grip	Fitter	53	100	25,000	Competitive Open Bidding / E-Tender/ GeM	Electrician	84	T & D	17	Plumber	22	MAEE	12	Machinist	23	Turnner	35	carpenter	4	147	Chisel cold flat (20mm x length 150mm)	20mm x length 150mm, High carbon steel Superior quality, long service life	Fitter	53	260	51,220	Competitive Open Bidding / E-Tender/ GeM	welder	39	Welder G & G	42	Plumber	17	Electrician	4	Machinist	42	148	Hammer ball peen with handle (0.5 Kg)	Straight Bal Peen Hammer 0.5 kg heat treated hardness HRC 45-55 , Handle - hard shisham wood , body - forged steel	Fitter	57	410	42,640	Competitive Open Bidding / E-Tender/ GeM	MAEE	12	Electrician	8	Machinist	23	carpenter	4	149	Hammer ball peen with handle. (250 gm)	Straight Bal Peen Hammer 250gm ,Heat treated hardness HRC 45-55 , Handle - hard shisham wood , body - forged steel	Fitter	76	220	24,200	Competitive Open Bidding / E-Tender/ GeM	Turnner	34	150	Hammer cross peen (0.5 Kg)	Cross Peen Hammer 0.5 kg, heat treated hardness HRC 45-55 , Handle - hard shisham wood , body - forged steel	T & D	46	260	11,960	Competitive Open Bidding / E-Tender/ GeM	151	Hammer Plastic (800 -1000 gm)
144	Divider spring type (150 mm)	Divider 150 cm spring Manufactured from good Quality High Carbon steel tips hardend and tempered,	Fitter	36	150	16,200	Competitive Open Bidding / E-Tender/ GeM																																																																																																												
			MAEE	16																																																																																																															
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145	Scriber (150 mm)	Scriber 150mm length Scriber 150 mm X 3mm (Knurled centre position) spring made of high Carbon steel and point Hardened & temp	Fitter	51	50	7,800	Competitive Open Bidding / E-Tender/ GeM																																																																																																												
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146	Centre Punch (10 mm X 100-120 mm)	10 mm and Length 100-120 mm is made from hardened and tempered steel. Square heads, knurled grip	Fitter	53	100	25,000	Competitive Open Bidding / E-Tender/ GeM																																																																																																												
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147	Chisel cold flat (20mm x length 150mm)	20mm x length 150mm, High carbon steel Superior quality, long service life	Fitter	53	260	51,220	Competitive Open Bidding / E-Tender/ GeM																																																																																																												
			welder	39																																																																																																															
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			Machinist	42																																																																																																															
148	Hammer ball peen with handle (0.5 Kg)	Straight Bal Peen Hammer 0.5 kg heat treated hardness HRC 45-55 , Handle - hard shisham wood , body - forged steel	Fitter	57	410	42,640	Competitive Open Bidding / E-Tender/ GeM																																																																																																												
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			carpenter	4																																																																																																															
149	Hammer ball peen with handle. (250 gm)	Straight Bal Peen Hammer 250gm ,Heat treated hardness HRC 45-55 , Handle - hard shisham wood , body - forged steel	Fitter	76	220	24,200	Competitive Open Bidding / E-Tender/ GeM																																																																																																												
			Turnner	34																																																																																																															
150	Hammer cross peen (0.5 Kg)	Cross Peen Hammer 0.5 kg, heat treated hardness HRC 45-55 , Handle - hard shisham wood , body - forged steel	T & D	46	260	11,960	Competitive Open Bidding / E-Tender/ GeM																																																																																																												
151	Hammer Plastic (800 -1000 gm)	800 -1000 gm, Head Material Polyethylene	MMV	2	550	1,100	Competitive Open Bidding / E-Tender/ GeM																																																																																																												

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152	Hammer copper/brass (0.5 Kg)	Hammer copper 0.5 Kg , with Double-Faced Copper/Brass Head & Strong Wooden Handle	TURNER	6	250	1,500	Competitive Open Bidding / E-Tender/ GeM
153	Hammer copper (1 Kg)	Hammer copper 1 Kg , with Double-Faced Copper/Brass Head & Strong Wooden Handle	MMV	4	650	2,600	Competitive Open Bidding / E-Tender/ GeM
154	Hacksaw frame (220-300MM)	220-300MM FRAME HACKSAW TUBULAR / rectangular pipe with large comfortable handle (Pistol grip )	Fitter	54	260	25,740	Competitive Open Bidding / E-Tender/ GeM
			Plumber	25			
			Electrician	3			
			T & D	17			
155	Dot punch (Length 100-120 mm)	Length 100-120 mm is made from hardened and tempered steel	Fitter	70	125	12,375	Competitive Open Bidding / E-Tender/ GeM
			T & D	29			
156	Punch letter set. (face 3mm & length 100 mm)	Hardened steel suitable to punch soft metals and mild steel. Letter punch set of A to Z (Capital) of face 3mm & length 100 mm	Fitter	1	1,000	2,000	Competitive Open Bidding / E-Tender/ GeM
			Machinist	1			
157	Punch Letter (face 4 mm & length 100 mm)	Hardened steel suitable to punch soft metals and mild steel. Letter punch set of A to Z (Capital) of face 4mm & length 100 mm	MMV	1	250	250	Competitive Open Bidding / E-Tender/ GeM
158	Punch number set. (face 3mm & length 100 mm)	Hardened steel suitable to punch soft metals and mild steel. Number punch set of 0 to 9, of face 3 mm & length 100 mm	Fitter	1	500	500	Competitive Open Bidding / E-Tender/ GeM
159	Punch number set. (face 12 mm & length 100 mm)	Hardened steel suitable to punch soft metals and mild steel. Number punch set of 0 to 9, of face 12mm & length 100 mm	Carpenter	2	1,000	2,000	Competitive Open Bidding / E-Tender/ GeM
160	Prick punch (100 mm)	100 mm Prick Punch Set is made from hardened and tempered steel. Square heads, knurled grip	TURNER	35	150	5,250	Competitive Open Bidding / E-Tender/ GeM
161	Prick Punch (150 mm)	150 mm Prick Punch Set is made from hardened and tempered steel. Square heads, knurled grip	MMV	4	250	1,000	Competitive Open Bidding / E-Tender/ GeM
162	Blow Lamp (1 Litre)	Kerosene Blow Lamp made of Brass ( 1 Litre )	MAEE	2	2,000	4,000	Competitive Open Bidding / E-Tender/ GeM
163	Grease Gun (1000 gm)	Head made from Aluminium die casting/cast iron, with steel spout with four-jaw coupler, Spring-loaded plunger rod with Delta handle	MMV	2	800	1,600	Competitive Open Bidding / E-Tender/ GeM
164	Grease Gun heavy duty trolley type (capacity 10 Kg)	10 kg capacity Grease Gun heavy duty trolley type	MMV	1	7,000	7,000	Competitive Open Bidding / E-Tender/ GeM
165	Safety goggles.	Impact resistant molded lens with Super Coat anti-fog coating, 1 .8 mm thick polycarbonate lens	Fitter	63	150	23,400	Competitive Open Bidding / E-Tender/ GeM
			Machinist	42			
			Turnner	37			
			Carpenter	2			
			T & D	12			

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
166	Fire extinguisher (5 Kg)	CO2 Type capable to extinguish Class C Fire 5 kg (with cylinder)	Fitter	4	5,000	40,000	Competitive Open Bidding / E-Tender/ GeM
			TURNER	1			
			welder	1			
			Surveuor	1			
			Plumber	1			
167	Fire Buckets with stand	Standard Fire Buckets made of GI material,Red painted and round bottom with handle and must be of 9 Litre Capacity and stand have to arrangement for hanging of 4 Buckets.stand made of MS Angle	Plumber	1	4,000	24,000	Competitive Open Bidding / E-Tender/ GeM
			TURNER	1			
			Welder	4			
168	Tool Bits (12 X 150 mm sq. Assorted shaped)	12 X 150 mm sq. assorted shaped	TURNER	12	1,500	18,000	Competitive Open Bidding / E-Tender/ GeM
169	Tool bits (H.S.S. 6 mm square)	H.S.S. 6 mm square	MACHINIST	1	9,000	9,000	Competitive Open Bidding / E-Tender/ GeM
170	Tool bits (H.S.S. 10 mm square)	H.S.S. 10 mm square	MACHINIST	1	10,000	10,000	Competitive Open Bidding / E-Tender/ GeM
171	Twist Drill with St. Shank (Ø 1 to Ø 12 mm)	Ø 1 to Ø 12 mm in steps of 0.5 mm	T & D	2	4,000	8,000	Competitive Open Bidding / E-Tender/ GeM
172	Twist Drills (Dia 3.2, 4.1, 4.2, 5.2, 6.8, 8.5, 3.8, 4.8, 5.8, 7.7, 9.7, 11.7)	Dia 3.2, 4.1, 4.2, 5.2, 6.8, 8.5, 3.8, 4.8, 5.8, 7.7, 9.7, 11.7	T & D	1	4,000	4,000	Competitive Open Bidding / E-Tender/ GeM
173	Twist drills (3 mm to 13 mm )	3 mm to 13 mm in step of 0.5 mm (parallel shank)	MACHINIST	1	2,500	2,500	Competitive Open Bidding / E-Tender/ GeM
174	Drill twist (1.5 mm to 15 mm )	1.5 mm to 15 mm (various sizes) by 0.5 mm	MAEE	4	8,000	32,000	Competitive Open Bidding / E-Tender/ GeM
175	Centre drills (3, 4 & 5 mm)	3, 4 & 5 mm, HSS Centre Drill	T & D	7	1,000	7,000	Competitive Open Bidding / E-Tender/ GeM
176	Star dresser (LENGTH 300, DRESSING FACE: 75)	LENGTH: 300, GRINDING WHEEL DIA: 250 - 400, GRINDING WHEEL FACE: 75, DRESSING FACE: 75	T & D	2	700	1,400	Competitive Open Bidding / E-Tender/ GeM
177	Diamond dresser with holder	Diamond 3.0 carat and holder mild steel	T & D	1	1,000	1,000	Competitive Open Bidding / E-Tender/ GeM
178	Drill twist straight shank (3 mm to 12 mm by 0.5 mm H.S.S.)	3 mm to 12 mm by 0.5 mm H.S.S.	Fitter	4	3,500	14,000	Competitive Open Bidding / E-Tender/ GeM

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179	Drill twist Taper shank (8 mm to 20 mm by 0.5 mm H.S.S.)	8 mm to 20 mm by 0.5 mm H.S.S.	Fitter	4	3,500	14,000	Competitive Open Bidding / E-Tender/ GeM
180	Taps and dies complete set (5, 6, 8, 10 & 12mm set of 5)	5, 6, 8, 10 & 12mm set of 5	Fitter	2	6,800	13,600	Competitive Open Bidding / E-Tender/ GeM
181	Milling Cutter - Cylindrical Cutter (Ø 63 mm, 90 mm Length and 27 mm Bore Diameter)	Ø 63 mm, 90 mm Length and 27 mm Bore Diameter	MACHINIST	3	4,000	12,000	Competitive Open Bidding / E-Tender/ GeM
182	Milling Cutter - Cylindrical Cutter (Ø 80 mm, 90 mm Length and 27 mm Bore Diameter)	Ø 80 mm, 90 mm Length and 27 mm Bore Diameter	MACHINIST	3	5,000	15,000	Competitive Open Bidding / E-Tender/ GeM
183	Milling Cutter (Side and face cutter dia 100 X 10 X 27 mm)	Side and face cutter dia 100 X 10 X 27 mm	MACHINIST	2	2,500	5,000	Competitive Open Bidding / E-Tender/ GeM
184	Milling Cutter (Side and face cutter dia 100 X 12 X 27 mm)	Side and face cutter dia 100 X 12 X 27 mm	MACHINIST	3	3,000	9,000	Competitive Open Bidding / E-Tender/ GeM
185	Milling Cutter (Side and face cutter dia 160 X 10 X 27 mm)	Side and face cutter dia 160 X 10 X 27 mm	MACHINIST	2	3,500	7,000	Competitive Open Bidding / E-Tender/ GeM
186	Milling Cutter (Side and face cutter dia 160 X 16 X 27 mm)	Side and face cutter dia 160 X 16 X 27 mm	MACHINIST	2	3,500	7,000	Competitive Open Bidding / E-Tender/ GeM
187	Milling Cutter - Side and face cutter (dia 200 X 20 X 27 mm)	dia 200 X 20 X 27 mm	MACHINIST	3	6,000	18,000	Competitive Open Bidding / E-Tender/ GeM
188	Milling Cutter - Side and face cutter (dia 80 X 8 X 27 mm)	dia 80 X 8 X 27 mm	MACHINIST	2	2,500	5,000	Competitive Open Bidding / E-Tender/ GeM
189	Milling Cutter - Equal Angle Cutter (45°/100 mm x 27 mm bore dia)	45°/100 mm x 27 mm bore dia	MACHINIST	2	2,500	5,000	Competitive Open Bidding / E-Tender/ GeM
190	Milling Cutter - Equal Angle Cutter (60°/100 mm x 27 mm bore dia)	60°/100 mm x 27 mm bore dia	MACHINIST	2	2,000	4,000	Competitive Open Bidding / E-Tender/ GeM
191	Milling Cutter - Equal Angle Cutter (90°/100 mm 27 mm bore dia)	90°/100 mm 27 mm bore dia	MACHINIST	2	3,500	7,000	Competitive Open Bidding / E-Tender/ GeM

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192	Milling Cutter - Double Angle Unequal (Cutter 50 X 12 X 27 mm bore dia55°)	Cutter 50 X 12 X 27 mm bore dia55°	MACHINIST	2	4,000	8,000	Competitive Open Bidding / E-Tender/ GeM
193	Milling Cutter - Double Angle Unequal (Cutter 50 X 12 X 27 mm bore dia 60°)	Cutter 50 X 12 X 27 mm bore dia 60°	MACHINIST	2	4,000	8,000	Competitive Open Bidding / E-Tender/ GeM
194	Milling Cutter - Double Angle Unequal (Cutter 63 X 18 X 27 mm bore dia 70°)	Cutter 63 X 18 X 27 mm bore dia 70°	MACHINIST	2	3,000	6,000	Competitive Open Bidding / E-Tender/ GeM
195	Milling Cutter - Double Angle Unequal (Cutter 63 X 18 X 27 mm bore dia 75°)	Cutter 63 X 18 X 27 mm bore dia 75°	MACHINIST	1	3,000	3,000	Competitive Open Bidding / E-Tender/ GeM
196	Milling Cutter - Single Angle (Cutter 63 x 18 x 45° RH 27 mm bore dia)	Cutter 63 x 18 x 45° RH 27 mm bore dia	MACHINIST	1	3,000	3,000	Competitive Open Bidding / E-Tender/ GeM
197	Milling Cutter - Single Angle (Cutter 63 x 18 x 45° LH 27 mm bore dia)	Cutter 63 x 18 x 45° LH 27 mm bore dia	MACHINIST	1	3,000	3,000	Competitive Open Bidding / E-Tender/ GeM
198	Milling Cutter - Single Angle (Cutter 63 x 18 x 60° LH 27 mm bore dia)	Cutter 63 x 18 x 60° LH 27 mm bore dia	MACHINIST	1	3,000	3,000	Competitive Open Bidding / E-Tender/ GeM
199	Milling Cutter - Single Angle (Cutter 63 x 18 x 60° RH 27 mm bore dia)	Cutter 63 x 18 x 60° RH 27 mm bore dia	MACHINIST	1	3,000	3,000	Competitive Open Bidding / E-Tender/ GeM
200	Milling Cutter - Slitting Saw Cutter (Ø 75 x 3 X Ø 27 mm)	Ø 75 x 3 X Ø 27 mm	MACHINIST	2	2,000	4,000	Competitive Open Bidding / E-Tender/ GeM
201	Milling Cutter - Slitting Saw Cutter (Ø 100 x 6 X Ø 27 mm)	Ø 100 x 6 X Ø 27 mm	MACHINIST	2	2,000	4,000	Competitive Open Bidding / E-Tender/ GeM
202	Milling Cutter - Shell End Mill (Ø 50 x 36 x 27 mm, Preferably Inserted Tip Type)	Ø 50 x 36 x 27 mm, Preferably Inserted Tip Type	MACHINIST	2	3,000	6,000	Competitive Open Bidding / E-Tender/ GeM

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203	Milling Cutter - Shell End Mill (Ø 75 mm x 50 x 27 mm, Preferably Inserted Tip Type)	Ø 75 mm x 50 x 27 mm, Preferably Inserted Tip Type	MACHINIST	2	2,000	4,000	Competitive Open Bidding / E-Tender/ GeM
204	Milling Cutter - Parallel Shank end mills (Ø 6, Ø 10 and Ø 16 are (double fluted), Ø 20 mm & Ø 25mm (four fluted))	Ø 6, Ø 10 and Ø 16 are (double fluted), Ø 20 mm & Ø 25mm (four fluted)	MACHINIST	4	1,500	6,000	Competitive Open Bidding / E-Tender/ GeM
205	Milling Cutter - T Slot Cutter with Parallel Shank (Ø 17.5 x 8 mm Width x Diameter of shank 8 mm)	Ø 17.5 x 8 mm Width x Diameter of shank 8 mm	MACHINIST	2	1,000	2,000	Competitive Open Bidding / E-Tender/ GeM
206	Milling Cutter - Concave (Ø 63 x 6 radius x 27 mm Bore Diameter)	Ø 63 x 6 radius x 27 mm Bore Diameter	MACHINIST	1	4,000	4,000	Competitive Open Bidding / E-Tender/ GeM
207	Milling Cutter - Convex (Ø 63 x 6 radius x 27 mm Bore Diameter)	Ø 63 x 6 radius x 27 mm Bore Diameter	MACHINIST	1	4,000	4,000	Competitive Open Bidding / E-Tender/ GeM
208	Involute Gear cutter (Size 2,2.5,3 module 20° pressure angle)	Size 2,2.5,3 module 20° pressure angle	MACHINIST	1	8,000	8,000	Competitive Open Bidding / E-Tender/ GeM
209	File triangular smooth (200 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	Fitter	1	300	3,900	Competitive Open Bidding / E-Tender/ GeM
			RAC	12			
210	File triangular second cut. (200 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	Machinist	7	290	2,030	Competitive Open Bidding / E-Tender/ GeM
211	File triangular bastard (250 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	T & D	3	280	840	Competitive Open Bidding / E-Tender/ GeM
212	File triangular second cut (200 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	T & D	3	280	840	Competitive Open Bidding / E-Tender/ GeM
213	File flat - second cut (250 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	Fitter	36	300	37,500	Competitive Open Bidding / E-Tender/ GeM
			Plumber	2			
			T & D	29			
			Electrician	16			
			Machinist	42			
214	File flat smooth (250 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	Fitter	51	300	30,300	Competitive Open Bidding / E-Tender/ GeM
			Electrician	8			
			Machinist	42			

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215	File flat second cut safe edge. (300 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	Fitter	15	350	12,950	Competitive Open Bidding / E-Tender/ GeM																																																																																																																																
			Plumber	22				216	File flat smooth (200 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	T & D	3	350	1,750	Competitive Open Bidding / E-Tender/ GeM	MCAE	2	217	File flat second cut with safe edge (200 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	T & D	3	225	675	Competitive Open Bidding / E-Tender/ GeM	218	File flat bastard (200 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	MCAE	2	550	1,100	Competitive Open Bidding / E-Tender/ GeM	219	File flat bastard (350 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	Welder (G & G)	42	580	24,360	Competitive Open Bidding / E-Tender/ GeM	220	File flat bastard (300 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	T & D	11	300	3,300	Competitive Open Bidding / E-Tender/ GeM	221	File flat - second cut (150 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	Rac	7	250	4,250	Competitive Open Bidding / E-Tender/ GeM	Fitter	10	222	File half round second cut (150 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	Fitter	66	200	14,800	Competitive Open Bidding / E-Tender/ GeM	Electrician	8	223	File half round second cut (250 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	Carpenter	8	350	7,000	Competitive Open Bidding / E-Tender/ GeM	T & D	3	Plumber	2	Machinist	7	224	File half round bastard. (250 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	Fitter	6	300	1,800	Competitive Open Bidding / E-Tender/ GeM	225	File half round bastard (300 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	T & D	3	225	675	Competitive Open Bidding / E-Tender/ GeM	226	File round bastard. (250 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	Fitter	9	300	3,600	Competitive Open Bidding / E-Tender/ GeM	T & D	3	227	File square bastard (300 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	T & D	3	280	840	Competitive Open Bidding / E-Tender/ GeM	228	File square second cut (250 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	T & D	3	290	870	Competitive Open Bidding / E-Tender/ GeM	229	File round 2nd cut (200 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	Electrician	8	450	3,600	Competitive Open Bidding / E-Tender/ GeM	230	File flat rough (150 mm)
216	File flat smooth (200 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	T & D	3	350	1,750	Competitive Open Bidding / E-Tender/ GeM																																																																																																																																
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217	File flat second cut with safe edge (200 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	T & D	3	225	675	Competitive Open Bidding / E-Tender/ GeM																																																																																																																																
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231	File flat bastard (250 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	Electrician	5	520	2,600	Competitive Open Bidding / E-Tender/ GeM
232	File Rasp, half round bastard (200 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	Electrician	4	450	1,800	Competitive Open Bidding / E-Tender/ GeM
233	File flat safe edge (200 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	T & D	16	250	4,000	Competitive Open Bidding / E-Tender/ GeM
234	File triangular smooth (150 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	T & D	27	250	6,750	Competitive Open Bidding / E-Tender/ GeM
235	Needle file assorted (12 nos.) (150 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	T & D	3	450	1,350	Competitive Open Bidding / E-Tender/ GeM
236	File knife edge smooth (150 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	Fitter	6	250	2,250	Competitive Open Bidding / E-Tender/ GeM
			T & D	3			
237	File feather edge smooth (150 mm)	Made of HCS with Comfortable & Non-slip grip. PVC handle	Fitter	6	300	1,800	Competitive Open Bidding / E-Tender/ GeM
238	Screw driver (5mm X 200 mm)	5mm X 200 mm Heavy Duty Screwdriver, made of alloy steel, tip tempered, insulated stim, with plastic handle.ISI Marked	Fitter	54	110	21,780	Competitive Open Bidding / E-Tender/ GeM
			T & D	3			
			Plumber	16			
			Electrician	84			
			Machinist	41			
239	Screwdriver Insulated (4mm X 150 mm,)	4mm X 150 mm, Diamond Head, made of alloy steel, tip tempered, insulated stim, with plastic handle.ISI Marked	Electrician	78	100	7,800	Competitive Open Bidding / E-Tender/ GeM
240	Screwdriver Insulated (6mm X 150 mm)	6mm X 150 mm, made of alloy steel, tip tempered, insulated stim, with plastic handle.ISI Marked	Electrician	84	150	13,050	Competitive Open Bidding / E-Tender/ GeM
			T & D	3			
241	Electrician screwdriver thin stem insulated handle (4mm X 100 mm)	4mm X 100 mm, made of alloy steel, tip tempered, insulated stim, with plastic handle.ISI Marked	Electrician	84	220	18,480	Competitive Open Bidding / E-Tender/ GeM
242	Heavy Duty Screwdriver insulated (5mm X 200 mm)	5mm X 200 mm, made of alloy steel, tip tempered, insulated stim, with plastic handle.ISI Marked	Electrician	84	400	33,600	Competitive Open Bidding / E-Tender/ GeM
243	Electrician Screwdriver thin stem insulated handle (4mm X 250 mm)	4mm X 250 mm, made of alloy steel, tip tempered, insulated stim, with plastic handle.ISI Marked	Electrician	84	250	21,000	Competitive Open Bidding / E-Tender/ GeM
244	Screw driver, heavy duty (300 mm)	heavy duty 300 mm , made of alloy steel, tip tempered, insulated stim, with plastic handle.ISI Marked	MACHINIST	7	200	1,400	Competitive Open Bidding / E-Tender/ GeM

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245	Screwdriver set (Set of 7)	Set of 7 Material high carbon steel, with insulated Material, ISI Marked	MCAE	20	150	3,000	Competitive Open Bidding / E-Tender/ GeM
246	Philips Screw Driver set of 5 pieces (pozidrivandtorx drive) (100 mm to 300 mm)	100 mm to 300 mm, set of 5 pieces (pozidrivandtorx drive) ISI Marked	MMV	2	500	1,000	Competitive Open Bidding / E-Tender/ GeM
247	Neon Tester (500 V)	500 V, High Steel Resistance, Length 180 mm, ISI Marked	Electrician	84	80	10,080	Competitive Open Bidding / E-Tender/ GeM
			CHNM	42			
248	Knife Double Bladed Electrician (100 mm)	Electrician'S Knife 100mm Stainless Steel Blade Comfortable Grip HRC 42-48 3CR13 Anti Rust	Electrician	82	251	20,582	Competitive Open Bidding / E-Tender/ GeM
249	Combination Plier Insulated (200 mm)	200 mm , Material Chrome Vanadium Steel with Thick Insulation	Electrician	78	200	15,600	Competitive Open Bidding / E-Tender/ GeM
250	Pliers flat nose (150 mm )	150 mm Material Chrome Vanadium Steel with Thick Insulation	TURNER	10	230	3,680	Competitive Open Bidding / E-Tender/ GeM
			MCAE	4			
			MMV	2			
251	Pliers side cutting (150 mm)	150 mm Material Chrome Vanadium Steel with Thick Insulation	MCAE	8	225	2,250	Competitive Open Bidding / E-Tender/ GeM
			MMV	2			
252	Long nose pliers (150 mm)	150 mm Material Chrome Vanadium Steel with Thick Insulation	MCAE	8	220	1,760	Competitive Open Bidding / E-Tender/ GeM
253	Round Nose pliers (100 mm)	100 mm Material Chrome Vanadium Steel with Thick Insulation	MCAE	4	180	720	Competitive Open Bidding / E-Tender/ GeM
254	Pliers round nose (150 mm)	150 mm Material Chrome Vanadium Steel with Thick Insulation	MMV	2	210	420	Competitive Open Bidding / E-Tender/ GeM
255	Crimping Tool (1.5 sq mm to 16 sq mm & 16 sq mm to 95 sq mm)	1.5 sq mm to 16 sq mm	Electrician	4	1,100	4,400	Competitive Open Bidding / E-Tender/ GeM
		16 sq mm to 95 sq mm		4	1,500	6,000	Competitive Open Bidding / E-Tender/ GeM
256	Crimping tool (pliers) (7 in 1)	Multi function non ratcheting Crimper Tool with soft comfort grips made from hardened stel, 4 functions in one tool, crimping insulated terminal 1.5/2.5/6.0mm square, Non insulated terminals 1.5 to 4.6 mm square, Bold shearing 2.6-5 mm., wire stripper 0.75 to 6mm	MCAE	2	400	800	Competitive Open Bidding / E-Tender/ GeM
257	Allen Key alloy steel	(1.5-10 mm) set of 9, Material: Chrome Vanadium Steel ,Set Size: Set of 9	Electrician	1	220	2,860	Competitive Open Bidding / E-Tender/ GeM
258	(1.5-10 mm) set of 9		MAEE	12			

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259	Spanner, ring set of 12 metric sizes (6 to 32 mm.)	6 to 32 mm. Made of high quality chrome vanadium steel or carbon steel.	MAEE	12+4	2,000	32,000	Competitive Open Bidding / E-Tender/ GeM
260	Spanner D.E. (set of 8 pieces) 20mm - 32mm Ring / Open Ended	20mm - 32mm Ring / Open Ended, Made of high quality chrome vanadium steel or carbon steel.	MACHINIST	9	800	7,200	Competitive Open Bidding / E-Tender/ GeM
261	Spanners socket with speed handle, T-bar, ratchet and universal upto 32 mm set of 28 pieces with box	with speed handle, T-bar, ratchet and universal upto 32 mm set of 28 pieces with box	MAEE	12+2	3,000	42,000	Competitive Open Bidding / E-Tender/ GeM
262	Taps and Dies complete sets	Metric - 3 to 24 mm, Made From Hardened, Precision-ground, Polished Alloy Steel, Each Piece Under A Rust-resistant Satin Finish	MAEE	1	5,000	10,000	Competitive Open Bidding / E-Tender/ GeM
			TURNER	1			
263	Tap and Die set in box metric pitch	(6 mm to 12 mm) Made From Hardened, Precision-ground, Polished Alloy Steel, Each Piece Under A Rust-resistant Satin Finish	MACHINIST	1	10,000	10,000	Competitive Open Bidding / E-Tender/ GeM
264	Taps and wrenches - Metric (adjustable)	M6,M8,M10,M12	MAEE	2	1,000	8,000	Competitive Open Bidding / E-Tender/ GeM
			TURNER	6			
265	Pipe stock and dies complete with stocks, bushing, bushing holders, Taps and wrenches sizes covered, to suit pipes	bore dia 6, 8, 10, 20, 25, 32, 40 & 50 mm	Plumber	3	5,000	15,000	Competitive Open Bidding / E-Tender/ GeM
266	Hand reamers adjustable	10.5 to 11.25 mm, 11.25 to 12.75 mm, 12.75 to 14.25 mm and 14.25 to 15.75 mm	MAEE	2	6,000	12,000	Competitive Open Bidding / E-Tender/ GeM
267	Reamer	6 mm to 25 mm by 1 mm 6 mm to 25 mm by 1 mm Carbide tips brazed to tough hardened alloy steel body	MACHINIST	7	6,000	42,000	Competitive Open Bidding / E-Tender/ GeM
268	Reamer adjustable	10 mm to 15 mm length 75 mm, Carbide tips brazed to tough hardened alloy steel body	MACHINIST	1	6,000	6,000	Competitive Open Bidding / E-Tender/ GeM
269	Tubular box spanner	Set - 6 - 32 mm Spanner Set of 12 Spanners (6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 17mm, 19mm, 22mm,32mm), High grade manganese steel, Nickle Chrome and black phosphate	MCAE	1	1,500	1,500	Competitive Open Bidding / E-Tender/ GeM
270	Stillson wrench (200 & 350 mm)	200 & 350 mm, Hardness Pattern of the Handle and Jaw Permits Wear Resistance Teeth and Tough Body Jaws are Drop Forged from High Grade Carbon Steel	Plumber	23	1,000	23,000	Competitive Open Bidding / E-Tender/ GeM

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271	Swaging and flooring tool kit 45° tubing	1/8 to 3/4 inch heavy duty	welder	1	15,000	15,000	Competitive Open Bidding / E-Tender/ GeM
272	Torque wrenches (5-35 Nm, 12-68 Nm & 50-225 Nm)	5-35 Nm, 12-68 Nm & 50-225 Nm, Smooth & Precise, the Spring-Loaded Adjustment Collar Automatically Locks in Place at the Desired Torque Value, Ensuring it Won't Accidentally Wander During Use. Dual-Direction Click Torque Wrench with Accuracy 3%. Reversible, Finely Geared 45-Tooth Ratchet Head Measures Torque in Clockwise & Counterclockwise Directions.	MMV	1	12,000	12,000	Competitive Open Bidding / E-Tender/ GeM
273	Hand drill 6mm capacity with drill chuck (Electric)	6mm capacity with drill chuck (Electric) Hammer Action	Plumber	1	3,000	3,000	Competitive Open Bidding / E-Tender/ GeM
274	Hand Drill Machine Electric with Hammer Action	13 mm capacity with drill chuck (Electric) Hammer Action	MCAE	2	2,700	5,400	Competitive Open Bidding / E-Tender/ GeM
275	H.P. Welding torch	copper alloy made with five nozzles(1,2,3,5,7 Nos.)	welder	1	4,500	4,500	Competitive Open Bidding / E-Tender/ GeM
276	Oxygen Gas Pressure	Heavy duty double stage Regulator suitable for 200/230bar inlet pressure and imported safety pressure gauges design for 300 bar service pressure.	welder	1	3,000	3,000	Competitive Open Bidding / E-Tender/ GeM
277	Acetylene Gas Pressure	Heavy duty double stage Regulator suitable for 20 bar inlet pressure and imported safety pressure gauges design for 300 bar service pressure	welder	1	4,500	4,500	Competitive Open Bidding / E-Tender/ GeM
278	CO <sub>2</sub> Gas pressure regulator	Heavy duty double stage Regulator suitable for 230 bar inlet pressure and imported safety pressure gauges design for 300 bar service pressure.	welder	1	4,500	4,500	Competitive Open Bidding / E-Tender/ GeM
279	Argon Gas pressure regulator	Heavy duty double stage Regulator suitable for 230 bar inlet pressure and imported safety pressure gauges design for 300 bar service pressure.	welder	1	5,000	5,000	Competitive Open Bidding / E-Tender/ GeM
280	Auto Darkening Welding Helmet	Solar/Battery operated Automatic Protection level 9-13, ith machine/equipment.	welder	1	5,000	5,000	Competitive Open Bidding / E-Tender/ GeM
281	Bench grinder fitted with fine grain size silicon carbide green grinding wheel	Bench grinder fitted with fine grain size silicon carbide green grinding wheel dia. 150 mm 1.5 hp motor, 3ph,Spindle speed 1400 Rpm, 2800 RPM	welder	1	10,000	10,000	Competitive Open Bidding / E-Tender/ GeM

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282	Double ended Pedestal Grinder	Heavy duty, C.I. body double ended pedestal grinder M/C duly fitted with 0.5 HP motor AC/220/230V.R.P.M.;-2880 with rotary switch, a pair of grinding wheels of size 6"x1"x1/2" (one rough & one smooth) a pair of eye shield for Spark protection& a pair of C.I. brackets as tool rests, duly mounted on M.S. Fabricated pedestal stand. With diamond wheel dresser & maintenance kit	T & D	1	10,000	10,000	Competitive Open Bidding / E-Tender/ GeM
283	Power tools for fastening	Capacity 10-18mm	Fitter	2	9,000	18,000	Competitive Open Bidding / E-Tender/ GeM
284	Interchangeable ratchet socket set	12 mm driver, sized10-32 mm set of 18 socket & attachments.	Fitter	1	700	700	Competitive Open Bidding / E-Tender/ GeM
285	Belt Tensioner gauge	Dual scale reads 30-180 lbs. (2.5-15 ft. lbs.) and 130-800 Newtons. High-grade materials	MAEE	1	7,000	7,000	Competitive Open Bidding / E-Tender/ GeM
286	Growler	230 V, 50 Hz, Single Phase, Adjustable jaws, Testing armature with ampere meter and testing probes.	Electrician	1	6,000	6,000	Competitive Open Bidding / E-Tender/ GeM
287	Oscilloscope Dual Trace	Band width 250 MHZ Rise time 1.4 NS input channel 2 Vertical Resolution 8 bits DC accuracy +3%,-3% Input characteristics one	Electrician	1	22,000	66,000	Competitive Open Bidding / E-Tender/ GeM
			MAEE	2			
288	Voltage Stabilizer	AC Input - 150 - 250 V, 600 VA AC Output - 240 V, 10 A	Electrician	2	4,000	8,000	Competitive Open Bidding / E-Tender/ GeM
289	Battery Charger	0 - 6 - 9 - 12 - 24, 30 AmpsA Battery Charger which provide output ranging from 12V to 24 V and Current ranging from 3Amp to 30 Amp with overload protectionand built in ammeter & Voltmeter	Electrician	2	7,000	35,000	Competitive Open Bidding / E-Tender/ GeM
			MAEE	2			
			MCAE	1			
290	Ammeter	300A/ 60A DC with external shunt	MAEE	4	1,150	4,600	Competitive Open Bidding / E-Tender/ GeM
291	Power Meter	Silicon detector, 0 dBm to -60 dBm range, 12 mm LCD display, 660 & 950nm Wavelength, 0.5 Minimum dBm accuracy, 9 V Battery power operation	CHNM	2	5,000	10,000	Competitive Open Bidding / E-Tender/ GeM
292	Blu-Ray drive and player	Serial ATA Interface,5.25 inch Form Factor,16x DVD+R Read, 24x DVD+R Write,48x CD-R Write,40x CD-RW Read, 24x CD-RW Write,DVD Rewriter,0.75 MB Buffer Memory Full HD 1080p, Wide codec support for more viewing options , HDMI Output , Coaxial Audio Output , USB Input , Ethernet Connection, 25 to 50 GB read and write option	CHNM	1	24,000	24,000	Competitive Open Bidding / E-Tender/ GeM
293	Digital Multi-meter	Handheld Digital Multimeters 4 ½ Digit with backlight LCD display incorporating latest technology can measure AC Voltage, DC Voltage, DC Current, AC current, Resistance, Capacitance,	MCAE	24	1,500	1,44,000	Competitive Open Bidding / E-Tender/ GeM
			CHNM	48			
			Electrician	24			

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294	Analog multi-meter	A quality Analog multimeter which can measures AC / DC Voltage up to 2500V, AC/DC Current up to 10A, Resistance up to 10M.Ohms, Diode and continuity test facility and having the facility of testing Active and Passive components	MCAE	4	1,500	6,000	Competitive Open Bidding / E-Tender/ GeM
295	Soldering iron	Standard Soldering Iron ISI Marked of Power rating of 25 Watts 230 V respectively	MCAE	24	250	6,000	Competitive Open Bidding / E-Tender/ GeM
296	Soldering Iron Changeable bits	15-Watt, 240 Volt A good quality changeable bit of Soldering iron having power rating of 15 W	MCAE	12	600	36,000	Competitive Open Bidding / E-Tender/ GeM
			CHNM	48			
297	De- soldering pump electrical heated, manual operators	230 V, 40 W A quality desoldering pump having spring loaded retractable piston and having a antistatic tip and body made up of	MCAE	24	1,500	1,08,000	Competitive Open Bidding / E-Tender/ GeM
			CHNM	48			
298	Soldering & De-soldering Station	Input Voltage : 190 V to 270COutput Voltage : 24VAC, Soldering Wattage : 60 Watts, De-Soldering Wattage : 70 WattsTemp Range : 180 - 480°CTemp Accuracy : ± 1°CTip to ground potential : Under 2MVTip to ground Leakage : Under 2Vacuum : 600mm/HgHigh Quality 24V DC Pump with 4000 RPMAccessories :Control Unit - 1 No., Soldering Iron - 1 No.De-Soldering Iron - 1 No.Combined Soldering & De-Soldering Stand -1 No.Power Cord - 1 No.Tool Box Containing :Primary Filter - 15 Nos , Secondary Filters - 5 NosSilicon Washer Set - 1 Set, Glass Tube - 1 No.Nozzle Cleaning Spring - 1 No.	MCAE	1	5,500	5,500	Competitive Open Bidding / E-Tender/ GeM
299	Dual DC regulated power supply	30-0-30 V, 2 Amps Dual DC regulated power supply 30-0-30 V, 2 Amps continuously variable , digital read out with LED display for current and voltage , short circuit and over load protection with the facility of fine and coarse fine tuning of voltage and current.	MCAE	4	10,000	40,000	Competitive Open Bidding / E-Tender/ GeM
300	CRO Dual Trace C	20 MHz (component testing facilities) CRO 20 MHz, Dual TraceBandwidth: 20MHzOperating modes: Ch A, Ch B, Alt, Chop, AddInput impedance: 1MΩ±2%, 25pF±3pFSensitivity: 5mV—5V per divisionMaximum input: 400VSweep time: 0.1us—0.2s per divisionSweep modes: A, XY, Alt, Mag, 5x MagCapablity of testing active and passive components	MCAE	2	25,000	50,000	Competitive Open Bidding / E-Tender/ GeM
301	Signal Generator with Digital Display for Frequency Amplitude	10 Hz to 100 Khz, 50/600 Ohms (output impedance) Signal Generator, 0-100 KHz capable of generating sinewave,square wave,triangular wave and saw tooth wave forms andOutput dB Range Min -50 dBm (-50 dB)Output dB Range Max 10 dBm ( 10 dB)and having a facility of varying the output level and frequency with fine and coarse controls and capable of generating carrier wave form and Am,Fm PAM,PWM and PPM waveforms.	MCAE	2	20,000	40,000	Competitive Open Bidding / E-Tender/ GeM

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302	Function generator (DDS Technology) (Sine, Square, Triangle, Ramp, Pulse, Serial Data, TTL and Modulation.)	Function Generator 0-1 MHz capable of generating sinewave,square wave,triangular wave and saw tooth wave forms andOutput dB Range Min -50 dBm (-50 dB)Output dB Range Max 10 dBm ( 10 dB)and having a facility of varying the output level and frequency with fine and coarse controls and capable of generating carrier wave form and Am,Fm PAM,PWM and PPM waveforms.	MCAE	2	10,000	20,000	Competitive Open Bidding / E-Tender/ GeM
303	Autotransformer	15 Amps single pahse 0to 300v up to rating 1kva	MCAE	2	10,000	20,000	Competitive Open Bidding / E-Tender/ GeM
304	Milli Ammeter (AC)	0 – 200 mA Backlite body,knife edge , Pointer & Anti parallex mirror Accuracy – 0.5 %	MCAE	2	550	1,100	Competitive Open Bidding / E-Tender/ GeM
305	Milli Ammeter (DC)	A Portable laboratory type Milli ammeter center zero (0-500 ma.), house in ebonite/baklite Body dial scale 150 mm with knife edge, Pointer & Anti parallex mirror Accuracy – 0.5 %	MCAE	2	450	900	Competitive Open Bidding / E-Tender/ GeM
306	Digital and AnalogIC Tester	A digital and analog IC tester which can Tests a wide range of Digital IC's such as 74 Series,40/45 Series of CMOS IC's.,can test Microprocessor 8085, 8086, Z80 and can test Peripherals like 8255, 8279, 8253, 8259,8251, 8155, 6264,62256,8288,8284 can tests Seven segment display of common cathode& common anode type. It has Auto search facility of Ic's. Test by: Truth table/sequence table comparison. ZIF: 40 pin DIP ZIF sockets.and Keys: 28 Touch-keys Key pad with numerical & functional keys and Display: 9 Digit Seven Segment Display and Supply Input Voltage: 230V AC.	MCAE	1	24,000	25,000	Competitive Open Bidding / E-Tender/ GeM
307	Rheostats various values and ratings	Rheostat of 120 Watts,200 Watts in single tube.Higher ratings with multiple tubes.Ohmic Value :0.3Ω to 25KΩCurrent Range:0.3A to 40ATolerance :±10%. Standard.Temperature Co-efficient :±50ppm/°C to ±200ppm/°C	MCAE	2	2,000	4,000	Competitive Open Bidding / E-Tender/ GeM
308	Back probe tools		MAEE	12	1,500	18,000	Competitive Open Bidding / E-Tender/ GeM
309	Air blow gun with standard accessories		MAEE	1	12,000	12,000	Competitive Open Bidding / E-Tender/ GeM
310	Transformer welding set	300 A, OCV 60 - 100 V, - continuous welding current, with all accessories and electrode holder 60% Duty Cycle with Standard Accessories	Fitter	2	5,500	11,000	Competitive Open Bidding / E-Tender/ GeM

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311	Car Jet washer	1500-WATT HIGH PRESSURE WASHER, 3 in 1 nozzle including fan jet, roto, and pencil jet.High pressure foam, Power: 1500 watts; Operating Voltage: 220 - 240 volts, Pressure (bar) is 125. Hose length 5 m, Pressure washer, Hose pipe, 2 nozzle and Pressure Gun,Pump type: 3 cylinder	MAEE	1	11,490	11,490	Competitive Open Bidding / E-Tender/ GeM
312	Vacuum cleaner	Portable and industry model Handheld Vacuum Cleaner having 0.55 L Dust Capacity of bag ,5 m Cord ,30 mins continuous Run Time and air flow of 60 litre /min	MCAE	2	18,000	36,000	Competitive Open Bidding / E-Tender/ GeM
313	Microwave oven	20 liters(two technologies) A 20 Litre microwave oven of Intellowave Technology, Two Stage Cooking, Quick Start, Cooking Completion Alarm, Electronic Touch Panel, Auto Defrost System having Microwave Frequency (MHz) 2450 MHz	MCAE	1	12,000	12,000	Competitive Open Bidding / E-Tender/ GeM
314	Mixer cum grinder	A mixer cum grinder having following specifications Power Consumption of around 450 watts (full load)Motor Type : UniversalVoltage :230 V A.C, 50Hz, Continuous run time : 30 Minutes (maximum)CapacityWork Bowl - 350 gmsSmall Grinder Jar - 150 gmsBig Grinder Jar - 300 gms	MCAE	2	2,500	5,000	Competitive Open Bidding / E-Tender/ GeM
315	Steam iron automatic	Automatic and automatic with steam A steam iron of quality make ISI marked having soleplate finished and a continuous steam output of 15g/min having water tank storage of 150 ml and a power rating of around 1200 Watts	MCAE	2	2,500	5,000	Competitive Open Bidding / E-Tender/ GeM
316	Electric rice cooker	An Electric rice cooker of stainless steel close fit lidwith Two aluminum cooking pans,Cool touch handlesDetachable power cord,Cooks upto 1 kilogram of ricePower: 700 watts;	MCAE	3	5,000	15,000	Competitive Open Bidding / E-Tender/ GeM
317	Water purifier	Water purifier Suitable for Purification of Brackish / Tap Water,PURIFICATION CAPACITY of Upto 15 LPH,BODY MATERIAL made of ABS Food Grade Plastic ,suitable for fitment of MOUNTING on the Wall,INLET WATER PRESSURE/TEMP (MIN)0.3 kg / cm2 or 4.267psi / 10°CINLET WATER PRESSURE/TEMP (MAX)3 kg / cm2 or 42.67psi / 35°CFILTER CARTRIDGES Sediment, Carbon Block Filter, UFAUTO-FLUSHING SYSTEM ,UV LAMP WATTAGE,POWER CONSUMPTION of 60 W ,STORAGE CAPACITY of 8 L,PURIFICATION PRODUCTION RATE of 15 L/hr.MAXIMUM DUTY CYCLE of 75 L/day ,MEMBRANE TYPETHin Film Composite RO ,UF FILTER ,Ultra Filtration Membrane ,BOOSTER PUMP VOLTAGE 24 V DC	MCAE	1	15,000	15,000	Competitive Open Bidding / E-Tender/ GeM



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318	Induction cooktop	Induction cook top with following feature: Safety sensor Auto switch-off Auto heat-up Booster Protection against overflows	MCAE	2	4,100	8,200	Competitive Open Bidding / E-Tender/ GeM
319	Home theatre system	A good quality 4.1 Home theatre system i.e with 4 speakers and 1 woofer having the functions such as Built-in FM Radio, LED Display, Fully Functional Remote Control Supports SD / MMC Memory Cards & Pen Drives	MCAE	1	15,000	15,000	Competitive Open Bidding / E-Tender/ GeM
320	Mask	Mask filter outer, the minimum size of 3. microns of particulates and centers for disease control and prevention (CDC). Same like N95.	HOUSEKEEPER	50	50	2,500	Competitive Open Bidding / E-Tender/ GeM
321	Hand gloves	Material rubber, acceptable temperature range 40-160 degree, size range 360*165mm, in pair	HOUSEKEEPER	50	50	2,500	Competitive Open Bidding / E-Tender/ GeM
322	Apron	Apron in cotton fabric, size should be medium to large or standard, it should be unisex. cotton cloth is in good material	HOUSEKEEPER	50	100	5,000	Competitive Open Bidding / E-Tender/ GeM
323	Goggles	Goggles material in silicon, lens type zero power, frame in Nylon, Size should be medium, protection chemical hazards. non slip elastic straps are to fit head sizes for both men and women. glass material in good quality.	HOUSEKEEPER	50	100	5,000	Competitive Open Bidding / E-Tender/ GeM
324	Paper towel	Soft and thick paper sheet. it can soak up liquid and that is used for drying hands, cleaning up spills. in good material	HOUSEKEEPER	50	50	2,500	Competitive Open Bidding / E-Tender/ GeM
325	Safety Shoes	its size 7- 9, Heat insulation, cold insulation, water resistance of upper, safety steel strap in front or toes side. leather in a good material	HOUSEKEEPER	50	2,000	1,00,000	Competitive Open Bidding / E-Tender/ GeM
326	Cap and scarf	Scarf and Cap should be made clothes cotton. fabric blended size standard. unisex, in a white Color .	HOUSEKEEPER	50	100	5,000	Competitive Open Bidding / E-Tender/ GeM
327	Fumigation machine (Oticare)	Fogger stainless steel (S.S), A control knob provides the desired degree both water and oil-based, machine capacity minimum 5 ltr, motor 2000 RPM,	HOUSEKEEPER	1	8,000	8,000	Competitive Open Bidding / E-Tender/ GeM
328	Intel Mobile Desktop based PC with LCD monitor	Intel® Core™ i7-1165G7 Processor 16 GB DDR4-SDRAM 2666 MHz Memory 512 GB SSD Storage 8.6 cm (27") Touchscreen 1920 x 1080 pixels Display Wi-Fi 6 (802.11ax) Wireless and Bluetooth combo Windows 10 Home Operating System or higher	Computer Hardware & Network Maintenance	1	1,00,000	1,00,000	Competitive Open Bidding / E-Tender/ GeM

Sr. No	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping/Competitive Bidding etc)
329	LED TV	A quality LED TV based on latest technology of Screen size 21 inch having refresh rate of 100 Hz clear motion rate ,active noise reduction facility,aspect ratio of 16:9 with the facility of aspect ratio correction having down firing and full range speakers and having the facility of HDMI and USB connectivity having RS232 and HDMI ,USB port connectivity.	MCE&A	2	25,000	50,000	Competitive Open Bidding / E-Tender/ GeM
330	DTH with accessories	A Standard size Low Noise Block downconverter(LNB) dish with set top box of latest technology and connecting material with remote control	MCE&A	1	5,000	5,000	Competitive Open Bidding / E-Tender/ GeM
331	Washing machine	A semi automatic washing machine of quality make top loaded of 8 Kg capacity with spinner ,having different timers to control the time and separate motors for wash tub and spinner. & A front loaded fully automatic washing machine having inbuilt heating facilities and capacity of the machine needs to be 15 Kg atleast.	MCE&A	1	30,000	30,000	Competitive Open Bidding / E-Tender/ GeM
332	Lux meter	Lux meter LCD read out 0.05 to 7000 Lumens with battery.	Solar Technician (Electrical)	2	3,500	7,000	Competitive Open Bidding / E-Tender/ GeM
333	Magnetic Flux Meter	0-500 tesla	Solar Technician (Electrical)	2	3,200	6,400	Competitive Open Bidding / E-Tender/ GeM
334	Solar panels	330-335 watts	Solar Technician (Electrical)	4	10,000	40,000	Competitive Open Bidding / E-Tender/ GeM
335	Lead Acid battery	12 volt 40 ah	Solar Technician (Electrical)	4	10,000	40,000	Competitive Open Bidding / E-Tender/ GeM
336	Lead Acid battery	12 volt 100 ah	Solar Technician (Electrical)	1	12,000	12,000	Competitive Open Bidding / E-Tender/ GeM
337	Motorized Bench Grinder	1 HP. 3 phase, 440V with DOL starter, Double side with smooth and rough wheel with Tool Base	Solar Technician (Electrical)	1	26,000	26,000	Competitive Open Bidding / E-Tender/ GeM
338	Array junction box	for connecting 250W x 4 Nos. solar panel with DC fuse, DC MCB, and surge suppressor protection	Solar Technician (Electrical)	2	20,000	40,000	Competitive Open Bidding / E-Tender/ GeM
339	Inverter with Battery	1x LPT 12150 H 150 AH tall Tubular solar inverter Battery, 1x Polycrystalline165 solar panel	Solar Technician (Electrical)	1	32,000	32,000	Competitive Open Bidding / E-Tender/ GeM
340	Solar PCU	MPPT technology, minimum 12 volts, 500 VA	Solar Technician (Electrical)	4	45,000	1,80,000	Competitive Open Bidding / E-Tender/ GeM
341	Solar Traffic Light	Material-poly carbonate and mild steel,12 vDC, working hours 24 hrs.	Solar Technician (Electrical)	1	10,000	10,000	Competitive Open Bidding / E-Tender/ GeM

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342	Bench Vices	Jaw size 150mm,heavy duty having weight 5-8 kg with Hardened knurled steel jaws, Fine acme thread screw	WELDER & WELDER GMAW GTAW	20	8,000	1,60,000	Competitive Open Bidding / E-Tender/ GeM
343	Oxygen Cylinder	Made up of 2-inch square M.S pipe with wall thickness of 3mm with hard wood top having 2inch thickness	WELDER & WELDER GMAW GTAW	1	10,000	10,000	Competitive Open Bidding / E-Tender/ GeM
344	Acetylene Cylinder	Jaw size 150mm,heavy duty having weight 5-8 kg with Hardened knurled steel jaws, Fine acme thread screw	WELDER & WELDER GMAW GTAW	1	10,000	10,000	Competitive Open Bidding / E-Tender/ GeM
345	Co2 Cylinder	Capacity 7 Cu.M With Hardened Steel, Heavy Duty as Per ISI	WELDER & WELDER GMAW GTAW	1	10,000	10,000	Competitive Open Bidding / E-Tender/ GeM
346	Argon Cylinder	Capacity 7 Cu.M, With Hardened Steel, Heavy Duty as Per ISI	WELDER & WELDER GMAW GTAW	1	10,000	10,000	Competitive Open Bidding / E-Tender/ GeM
347	DC Shunt Motor with complete accessories and installation RACK	2.5 KW, 220 V DC with 3 point starter, 4 terminals brought out in the terminal box for connections.Horizontal.Control Panel	Electrician	1	38,000	38,000	Competitive Open Bidding / E-Tender/ GeM
348	Motor Generator (DC to AC)	Motor Generator (DC to AC) set consisting of - Shunt Motor with starting compensator and switch directly coupled to AC generator with exciter and switch board mounted with regulator, breaker, ammeter, voltmeter frequency meter, knife blade switch and fuses etc. Set complete with cast iron bed plate, fixing bolts, foundation bolts and flexible coupling . with complete accessories. and installation RACK Shunt Motor rating: 5 HP, 220V DC, 4 Poles 1500 R.P.M., S.P.D.P. Type with 3 point starter, Continuous Rating Class of Insulation 'F'. Horizontal Foot Mounted, Dynamically Balanced. All The Terminals Are Brought Out To Terminal Box. Confirming To Provide Lifting Bolt & Earthling Terminal. ALTERNATOR : 3.5 K.V.A., 415/240 Volts, 50Hz, 3 Phase 4 Wires 0.8 P.F.1500 R.P.M., S.P.D.P. Type Continuous Rating with Self Static Field Exciter, Self-Regulation, and Insulation Class 'H'	Electrician	1	65,000	65,000	Competitive Open Bidding / E-Tender/ GeM
349	Synchronous motor with accessories like starter, excitation arrangements.and installation RACK	3 Phase, 3 HP, 440V, 50Hz, 4 Pole The Box type Instrument Panel above the working areaand of size W = 900 mm ; D = 250 mm ; H = 750 mm &Front side of 6mm thick bakelite sheet of brown colourand fitted at inside of the tube structure. All other sides made of MS sheet	Electrician	1	58,000	58,000	Competitive Open Bidding / E-Tender/ GeM
350	Restaurant Demo Software	Create custom Packages & Plans Array full of useful MIS reports Track Reservations, Billing to Customer, Travel Agent or Company Financial Year Data Manager Multiuser and User Friendly Application Kot Billing (Three Types) Stock Management Purchase Management Stock Adjustment Stock Transfe	Food & Beverages S. A.	1	2,50,000	2,50,000	Competitive Open Bidding / E-Tender/ GeM

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351	Application Software for use in Front Office of Hotel Like: a) Opera b) Fidelio c) Champagne	Application Software for use in Front Office of Hotel Like: Opera, Fidelio, Champagne	FRONT OFFICE ASSISTANT	1	2,50,000	2,50,000	Competitive Open Bidding / E-Tender/ GeM
352	VRF/VRV unit with two indoor units 2.5TR each and 5TR capacity out door unit complete with air cooled condenser, accessories and controls.		RAC	2	2,00,000	4,00,000	Competitive Open Bidding / E-Tender/ GeM
353	Walk in cooler PUF insulated for cold room 6X4.5X8 cft.	temperature 00-50 c	RAC	1	3,00,000	3,00,000	Competitive Open Bidding / E-Tender/ GeM
354	Bus AC tutorial model		RAC	1	2,00,000	2,00,000	Competitive Open Bidding / E-Tender/ GeM
355	Automatic ice cube m/c	50 kg/hour	RAC	1	1,00,000	1,00,000	Competitive Open Bidding / E-Tender/ GeM
356	Bottle cooler visible	200 L carrying with HFC-134a& reciprocating compressor	RAC	1	40,000	40,000	Competitive Open Bidding / E-Tender/ GeM
357	Co-ordinate measuring machine (5 micron)		Tools & Die Maker	1	7,50,000	7,50,000	Competitive Open Bidding / E-Tender/ GeM
358	Profile projector (5 micron)		Tools & Die Maker	1	1,30,000	1,30,000	Competitive Open Bidding / E-Tender/ GeM
359	Muffle Furnace	Heating Chamber 300 x 300 x 450 mm for 10500 C Quenching tank- approx. 600 x600 x 600 mm/ approxDia 600mm x 600mm ht	Tools & Die Maker	1	55,000	55,000	Competitive Open Bidding / E-Tender/ GeM
360	Rockwell Hardness Testing Machine with standard accessories/ digital type		Tools & Die Maker	1	2,50,000	2,50,000	Competitive Open Bidding / E-Tender/ GeM
361	Spark erosion EDM&WEDM with standard accessories		Tools & Die Maker	1	12,00,000	12,00,000	Competitive Open Bidding / E-Tender/ GeM

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362	Hydraulic Surface Grinding Machine with DRO (5 micron accuracy)	Table Clamping area 600 x 178 mm (approximate) Grinding area 400 x 200 mm (approximate) Distance table-centre of spindle 400 - 500 mm (approximate) Table speed 1-25 m/min. With standard accessories like dust extractor with water separator, balancing device, table-mounted Radius-tangent wheel dresser, wheel flanges, etc or HS.	Tools & Die Maker	1	2,00,000	2,00,000	Competitive Open Bidding / E-Tender/ GeM
363	Tool & Cutter Grinder	Largest diameter of cutter that can be ground 10-100 mm Max. admit between centers 230 mm Max. length of cutting edges ground 120 mm With standard equipment like adaptor bushes, cutter head holder assembly, adaptors, extension spindle, flanges for grinding wheel, etc.	Tools & Die Maker	1	2,50,000	2,50,000	Competitive Open Bidding / E-Tender/ GeM
364	Solar, wind and hybrid power plant	1 KW cumulative	SOLAR TECH (ELECT)	1	2,50,000	2,50,000	Competitive Open Bidding / E-Tender/ GeM
365	Solar Grid tied inverter Demonstrator kit	3000 W	SOLAR TECH (ELECT)	1	1,50,000	1,50,000	Competitive Open Bidding / E-Tender/ GeM
366	Solar energy trainer with grouping of solar cells	To group (series or parallel) at least six solar cells each with minimum 2 W with suitable loads	SOLAR TECH (ELECT)	1	1,10,000	1,10,000	Competitive Open Bidding / E-Tender/ GeM
367	Solar tracker demonstrator kit	To study manual and automatic control of 10 W solar panel in East-west and North-south & back	SOLAR TECH (ELECT)	1	2,50,000	2,50,000	Competitive Open Bidding / E-Tender/ GeM
368	Solar simulator for solar cell characteristic study	To study IV curve of a solar cell of minimum 2 watt under variable illumination, temperature and suitable load	SOLAR TECH (ELECT)	1	8,00,000	8,00,000	Competitive Open Bidding / E-Tender/ GeM
369	Wheel alignment Machine – computerized 3D (Optional)	Latest machine for four wheel alignment. With connected camera , IR Lighting Source min. 8mm, Reflector metal based, should work in sunlight	Mechanic Motor Vehicle	1	2,50,000	2,50,000	Competitive Open Bidding / E-Tender/ GeM
370	Wheel balancing machine	For wheel balancing of LMV. Motor 0.5 HP Shaft Diameter min 38mm. Hardened flange assy. Balancing catch nut of metal.	Mechanic Motor Vehicle	1	1,00,000	1,00,000	Competitive Open Bidding / E-Tender/ GeM

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371	Ultrasonic Injection cleaning equipment	Flow analysis & spray pattern test, leak test, auto programming mode, ultrasonic test with timer, Min 500 ML Lit SS Tank with Lid, SS Stand.	Mechanic Motor Vehicle	1	50,000	50,000	Competitive Open Bidding / E-Tender/ GeM
372	Automotive exhaust 5 gas analyser and Diesel Smokemeter (for petrol & Diesel)	Exhaust 5 Gas Analyzer Petrol ARAI approved to check CO, CO2, O2, and HC& NO. Diesel Smoke Meter ARAI approved.	Mechanic Motor Vehicle	1	15,000	15,000	Competitive Open Bidding / E-Tender/ GeM
<b>Grand Total</b>						<b>2,22,13,804</b>	

Chairman/ Member IMC  
Govt. ITI Patiala

Member Secretary IMC / Principal  
Govt. ITI Patiala