

COLLEGE OF ENGINEERING TRIVANDRUM
Thiruvananthapuram -16

NOTICE INVITING TENDER

No. CET/372/2026-P5

11-03-2026

Tender ID	2026_DTE_845213_1
Tender No:	69/P5/TOOLS/26/CET
Superscription	Purchase of General & Mechanical Tools
Last date and time of receipt of tender on the website (www.etenders.kerala.gov.in)	23/03/2026 3 pm
Date and time of opening of tender	25/03/2026 3PM
Date up to which the rates are to be firm	23/10/2026
Tender Fee	₹944-(800 + 18 % GST) Rs.800/- should be paid to our department but GST amount of Rs. 144/- should be paid to GST department directly by the bidder)
EMD required	₹ 4000/-

Sl no.	Item	Specifications	Quantity
1	Hacksaw frame	Type	Closed grip non-adjustable tubular hacksaw frame
		Material	Stainless steel
		Handle Material	Aluminium
		Length of blade to be fixed	300mm
		Quick release blade capability	Yes
		Adjustable blade cutting angle	90 degree
			6
2	Hacksaw blade	Conformity to Standards	IS 2594: latest
		Type of Hacksaw Blade	All hard blade (Type A)
		Material	High carbon steel
		Nominal Length	300mm
		Width of blade	12.5 mm
		Thickness	0.63 mm
		Number of teeth per 25mm length	24
		Hardness near to the tip of the tooth	760HV or higher
			100
		1- Straight chisel, 1- Skewed chisel, 1- Straight gouge chisel, 1- V-parting chisel,	

3	Micro Chisel set	Set Description	1- Bent gouge chisel, 1- Curved flat chisel	3
		Width	1/4 inch or above	
		Material	Steel	
		Handle Material	Wood	
4	Pliers	Set Description	1- Combination pliers, 1- Snipe (Needle) Nose pliers, 1- Round nose pliers, 1- External circlip pliers, 1- Internal circlip pliers	3
		Conformity to Standards (General)	IS 2615:1989 & IS 11526:1986 With latest amendmnt.	
5	Combinaton Side Cutting Pliers	Conformity to Standards	IS 3650: latest	3
		Nominal Size	200mm or above	
		Gripping surface	Serrated with pipe grip	
		Type of cutter	Middle cutter	
		Handle type	Flared	
		Hardness at gripping surfaces	350-510 HV (\approx 35-50 HRC)	
		Hardness near cutting edge	510-700 HV (\approx 50-60 HRC)	
6	Snipe (Needle) Nose Pliers	Conformity to Standards	IS 5658	3
		Nominal Size	140mm or above	
		Hardness at gripping surfaces	350-510 HV (\approx 35-50 HRC)	
7	Round Nose Pliers	Conformity to Standards	IS 3568	3
		Type	Type B (Round, long nose pliers)	
		Nominal Size	125mm or above	
		Hardness at gripping surfaces	350-510 HV (\approx 35-50 HRC)	
8	External Circlip Pliers	Conformity to Standards	IS 7990	3
		Type	Type A (Straight)	
		Length (mm)	125 or above	
		Hardness of jaws	440 \pm 60 HV5 (\approx 44 \pm 5 HRC)	
9	Internal Circlip Pliers	Conformity to Standards	IS 7989	3
		Type	Type A (Straight)	
		Length (mm)	125 or above	
		Hardness of jaws	440 \pm 60 HV5 (\approx 44 \pm 5 HRC)	
10	Cordless drilling machine	Motor Type	Brushless Motor	2
		No-load speed	1800rpm or above	
		Chuck Capacity (mm)	1.5mm to 13mm	
		Impact rate	20000bpm or above	
		Battery type	Li ion	
		Battery Capacity	2 Ah or above	
		Battery Voltage	18V	
		Additional Battery	Yes	
		Charger	Yes	
11	Jigsaw Machines	Rated input power (W)	500 or above	2
		Max. No load stroke rate (per minute)	3000 or above	

		Stroke length	20 or above	
		Max. cutting angle (left/right)	45 degree or above	2
12	Power Circular Saw	Rated input power (W)	1400 or above	2
		No-Load speed (rpm)	5200 or above	
		Blade Diameter (mm)	180-200	
		Blade material	Tungsten Carbide	
		Safety cover for blade	Yes	
13	Files Set	Conformity to Standards	IS 1931: 2000	2
		Set Description	1-Flat file, 1-Square file, 1-Round file, 1-Half round file, 1-Triangular file	
		Hardness	580-615 HV (54-56 HRC)	
		Nominal Length	200mm or above	
		Handle	Yes	
		Type of cut	Double cut (for flat, square, half round and triangular file) (Single cut for Round file)	
		Grade of cut	Second cut	
14	File Handles	Conformity to Standards	IS 2895: 1990	5
		Size	Should suit the above set of files (Sl no. 9)	
15	Needle Files	Set Description	Atleast any 10 of the following items, Round edge, Flat edge, Flat taper, Half round, Triangular, Square, Round, Knife, Feather edge, Crossing, Barrette, Marking	2
		Conformity to Standards	IS 3152:1980	
		Nominal Length (mm)	140±5	
		Grade of cut	Bastard	
		Hardness	660-700 HV (≈ 58-60 HRC)	
		Handle	Yes	
16	Pipe Vice	Type	Hinged	2
		Conformity to Standards	IS 6007: 1971	
		Nominal size of Jaw opening (in mm) and (Tolerance ± 2 %)	165	
		Suitability for Pipe having outer diameter(in mm)	15-165	
		Body Material	Grey Cast Iron	
		Material of Jaw plates	Carbon Steel	
		Hardness of the jaw plates	390-445 HV (40 to 45 HRC)	
		Conformity to Standards	IS 841: 1983 (for Hammer head), IS 4953: 1989 (for handle)	

17	Ball Peen Hammer	Type	Engineer's ball peen hammer	5
		Nominal mass of hammer head (gms)	500	
		Handle material	Wood	
		Min. length of handle (mm)	300	
18	Steel Shaft Claw Hammer	Type	Claw hammer	5
		Hammer head weight	400g or above	
		Min. length of handle (mm)	300	
		Hammer head material	Stainless steel	
		Handle material	Steel	
19	Nylon Mallet	Conformity to Standards	IS 10838: 1984	5
		Shore hardness range	45-58	
		Hardness Grade	Soft	
		Specific Gravity	1.13 to 1.15	
		Nominal Size of Nylon insert (mm)	30	
		Material of handle	Steel	
20	Rubber Mallet	Conformity to Standards	IS 12522: 1988	5
		Type	Type A - Symmetrical	
		Diameter of mallet head (mm)	40	
		Hardness	66 Shore A	
		Mass of mallet head in grams (with tolerance)	100 ± 10	
		Material of Mallet head	Natural rubber	
		Handle material	Wood	
21	Allen Key Set	Conformity to Standards	IS 3082:2008, ISO 2936:2001	3
		Set Description	Must contain the following sizes (in mm), 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10	
		Type	Hexagonal socket screw key	
		Hardness	57-62 HRC	
		Finish	Brown	
22	Double Ended Spanner Set	Conformity to Standards	IS 6131:1980 for technical requirements for hand operated Wrenches & IS 2029: 2004 for Ring wrenches (Spanners)	5
		Type	Double ended shallow offset ring spanner	
		Set Description	Must contain the following sizes, 6 x 7 mm, 8 x 9 mm, 10 x 11 mm, 12 x 13 mm, 14 x 15 mm, 16 x 17 mm, 18 x 19 mm, 20 x 22 mm, 21x 23 mm, 24 x 27 mm, 25 x 28 mm, 30 x 32 mm	
		Material	Chrome Vanadium Steel 355HV / 36HRC	

		Hardness (Min.)	(345HV / 35HRC for 30x32mm piece)	
		Type of anti corrosive Plating/ Coating	Nickel-chromium plating	2
23	12 Piece open ended spanner set	Conformity to Standards	IS 6131:1980 for technical requirements for hand operated Wrenches & IS 2028: 2004 for open jaw wrenches (Spanners)	
		Type	Double-ended open jaw wrenches (spanners) for automobile use	
		Torque series	Series C	
		Set Description	Must contain the following sizes, 6 x 7 mm, 8 x 9 mm, 10 x 11 mm, 12 x 13 mm, 14 x 15 mm, 16 x 17 mm, 18 x 19 mm, 20 x 22 mm, 21x 23 mm, 24 x 27 mm, 25 x 28 mm, 30 x 32 mm	
		Material	Chrome Vanadium Steel	
		Hardness (Min.)	382HV / 39HRC	
		Type of anti corrosive Plating/ Coating	Nickel-chromium plating	2
24	Belt and Disc Sanding Machine	Power rating (W)	500 or above	
		Minimum disc size (inches)	6	
		Minimum belt size (width x length in inches)	4 x 36	
		Speed (rpm)	2900 or above	
		Work table with mitre gauge	Yes	1
25	Scroll Saw Machine	Power Source	Corded electric	
		Speed (Strokes per min)	1600 or above	
		Variable speed	Yes	
		Min. Table size (inches)	15x10	
		Base material	Cast Iron	
		Min. Cutting depth (inches)	2	
		Min. Throat depth (inches)	16	
		Min. table bevel angle (degrees)	45	
		Compatible with both pinned and pinless blades	Yes	1
26	Power return measuring tape	Blade length	5m or above	
		Blade Material	Steel	
		Self return	Yes	
		Lock button	Yes	5
27	Try Square 8"	Length (mm)	200	
		Blade Material	Stainless Steel	
		Stock Material	Metal	

		Markings for measurement	Yes	5
28	Stainless steel rule	Governing Specification	Conforming to IS 1481	5
		Type	BB	
		Nominal Size (cm)	30	
29	Digital Vernier Caliper	Caliper Type	Digital Calipers	5
		Jaw Type	Type A - With jaws on both sides for external and internal measurements.	
		Provided with blade for depth measurement	Yes	
		Measurement range (mm)	0-300	
		Least count (mm)	0.01	
		Features required	Thumb roller, Locking screw, Auto Power OFF, Zero-setting, Inch / Metric conversion, Manual ON/OFF	
		Material	Stainless steel	
30	Spirit Level	Length (mm)	300 or more	5
		Body material	Aluminium	
		With Magnet	Yes	
31	Power Router	Rated input power (W)	1300 or above	1
		No-load speed (rpm)	28,000 or above	
		Bit holder (mm)	6 - 8	
		Router bit diameter (mm)	40	
		Maximum router cage stroke (mm)	55	
		Included accessories	Wrench, Parallel guide, Template guide, Dust adaptor, Collets - 6mm & 8mm	
32	Sewing Machine	Type	Zig-Zag Sewing Machine	1
		Conformity to Standards	IS 15449 (Part-1):2004	
		Power Source	Corded Electric	
		Motor Power (Min.) (W)	70	
		Minimum number of built-in stitches	32	
		Frame material	Metal	
		Bobbin type	Front loading	
		Needle Threader	Automatic	
		Buttonhole sewing	1-step buttonhole sewing	
		Lighting at the sewing area	LED light	
		Adjustable stitch length & width	Yes	
		Foot pedal control for stitching speed	Yes	
		Included accessories	All-purpose foot, zipper foot, button sewing foot, pico foot, buttonhole foot, darning plate, bobbins, needles, seam ripper/lint brush, spool cap, edge/quilting guide, L-type screwdriver	

				1	
33	Impact Drill	Min. Rated Input Power (W)	800		
		Impact Frequency (bpm)	48000 or above		
		No-load speed (rpm)	3000 or above		
		Speed preselection	Yes	3	
34	Ratchet Set	Set Description	Must contain the following items. 1pc – Quick Release Ratchet Handle 2pc – Extension Bars: 50mm & 100mm 1pc – Spinner Handle (Go Through Type) 1pc – Sliding T-Bar 1pc – Universal Joint 1pc – 150mm Flexible Extension Bar 13pc – Shallow Socket: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, & 14mm 22pc – Socket Bits (Length-37mm) :- Slotted: 4, 5.5, & 7mm ; Hex Bits: 3, 4, 5, 6, 7, & 8mm ; Phillips: No. 1, No. 2, & No. 3 ; Pozidriver: No. 1, No. 2, & No. 3 ; Torx Driver Bits: T-8, T-10, T-15, T-20, T-25, T-30, & T-40		2
		Material	Chrome Vanadium Steel		
		Type of anti corrosive Plating/ Coating	Nickel-chromium plating		
		Case to hold the components	Yes		

General Terms&Conditions

1. The unit price, all other charges such as delivery, transporting, packing, shipping, loading and unloading charges etc, and GST must be shown separately and should be furnished unambiguously.
2. Payment: 100 % after successful supply, installation, and satisfactory performance.
3. Agreement and tender form should be uploaded.
4. 5% security deposit along with agreement should be furnished in Rs.220/- Kerala Stamp Paper within a month/fortnight from the date of receipt of supply order.
5. Date of opening of tender : In case the proposed date declared as holiday, the tender will be opened on the next working day.
6. Only GST registered firms can participate in the Tender. GST number must be

mentioned. The firm under composition scheme must mention the words "Composition taxable person" in their documents and should submit proof for that