

# Department of Mechanical Engineering

I.K. Gujral Punjab Technical University (Main Campus), Kapurthala



PTU

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ

Estd. Under Punjab Technical University Act, 1996  
(Punjab Act No. 1 of 1997)

Ref. No. IKGPTU/ME/1079

Date: 14/12/2017

*[Signature]* 14/12/17

Subject: - Request for quotation for the supply of equipment/machinery/stores. *Aswani (P)*

Dear Sir/Madam,

Sealed quotations, for the purchase of tools/equipment for workshop are invited. The list of items and specifications are enclosed. The quotations should reach latest by 10.01.2018 at 3:30 p.m. in the office of HoD, Mechanical Engineering, IK Gujral Punjab Technical University, Kapurthala, Punjab.

## Terms and conditions

1. The rates should be quoted for each unit also.
2. The rates should be quoted as net rates in both Words and Figures inclusive all kinds of tax charges, duties etc.
3. The specifications of each item to be mentioned clearly.
4. The quantity of the items will be increased or decreased as per requirement.
5. Please mention rates of reputed national/international brands such as Taparia, Pye, Kristeel, Freemans, Mitutuyo, 3M, Anant, JK, Bosch, Finolex, Havells, Fine, Sciencetech, Fluke etc. In case you are offering an alternative, please mention the brand/mark/model etc.
6. The items to be delivered in the Central Store, I.K.Gujral Punjab Technical University, Punjab within 21 days of issuance of the supply order.
7. No advance payment will be made. Payment will be released after the inspection of delivery of goods/items and receipt of satisfactory report.
8. University will not pay anything extra, as the rates are invited are inclusive of all taxes/Govt.levies/duties and packaging cost etc.
9. Please subscribe on envelope "Quotation for Workshop tools/equipment/ and to be opened by committee only".

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**I. K. Gujral Punjab Technical University**

Jalandhar-Kapurthala Highway, Kapurthala-144 603 Website: www.ptu.ac.in

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Computer Section, IKGPTU  
Receipt No.....  
Dated.....

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10. Quotation not received as stated above will be out rightly rejected.
11. Quotation will be opened at 4:00 PM on 10.01.2018 in the office Head of Department Mechanical Engineering, IK Gujral, Punjab Technical University, Kapurthala, Punjab. The bidders of their representative may be present at the time of opening of the quotations. If Govt./University declares holiday on 10.01.2018, the quotations will be opened next working day.

  
14/11/2017

HoD (ME) Cum Chairman of Committee

HOD  
Department of Mechanical Engineering  
I.K.G. P.T.U. Main Campus  
Kapurthala

CC:

1. DR (Computer Cell), Please get it uploaded on university website.

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# CARPENTRY SHOP

S. No.	Name of Item with specification	Qty
1.	Steel scale (Size 12")	10
2.	Measuring tape ( 3 meters)	6
3.	Try Square (stainless steel)	
	(a) Size 12"	
	(b) Size 6"	6
4.	Marking Gauge (6") Aluminum	6
5.	Mortise Gauge (6") with scale	10
6.	Bevel Square	6
	(a) Size 6"	
	(b) Size 8"	6
7.	Scriber (Pocker)	6
8.	Pincer	6
9.	Water Stone (preferably Universal Carborandum Brand)	6
10.	Rip Saw	10
11.	Key hole Saw	5
12.	Tenon Saw	5
13.	Iron Jack Plane (250 x 50 mm)A-4	5
14.	Adjustable Iron Jack Plane (14")	8
15.	Spoke shave	8
16.	Nylon Hammer	2
17.	Claw Hammer with wooden handle	4
18.	Claw Hammer with rubber handle	6
19.	Rasp File (250mm)	6
20.	Triangular File (Saw File)	10
	Size 5"	
22.	Hand Drill Machine (6mm) Capacity	10
23.	C-Clamp (8") drop forged	2
	(a) C-Clamp (8") SG Iron	4
24.	Saw Setter (Saw set Plier)	4
25.	Four Folding rule 24" (Plastic)	4
26.	Wood Working Vice (Carpenter Vice)	4
	a) Size 7"	
	b) Size 8"	10
	c) Size 9"	10
		10

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27.	Gimlet 3/8"	4
	Gimlet 1/2"	4
28.	Adze (Tesa)	6
29.	T-Cramp 5'	1
30.	Ratchet Brace	2
31.	a) Firmer Chisel (12 mm) with PVC handle	6
	b) Firmer Chisel (18 mm) with PVC handle	6
	c) Firmer Chisel (24 mm) with PVC handle	6
	d) Firmer Chisel (36 mm) with PVC handle	6
32.	a) Mortise Chisel (10 mm)	6
	b) Mortise Chisel (12 mm)	6
	c) Mortise Chisel (16 mm)	6

#### FITTING SHOP

S. No.	Name of Item with specification	Qty
1.	Try Square 6"	10
2.	Bevel Protector 12"	1
3.	Centre Square 4"	10
4.	Centre Square 6"	10
5.	Scriber (Hand Scribes Bent or Straight)	10
6.	Surface Gauge Fixed 12"	2
7.	Universal Surface Gauge 12"	4
8.	Dot Punch (Automatic Centre Punch)	5
9.	Centre Punch	
	(a) Size 4"	5
	(b) Size 6"	10
	Stand at Extra Cost As Below	
	Stand (M.S. Fabricated) for above Granite surface plate	1
10.	V-Block ( C.I. V Block Size 50 x 38 x 38)	1
11.	Steel rule 12"	10
12.	Steel rule 24"	4
13.	Vernier Caliper 6" (Manual /Plain)	1
14.	Vernier Caliper 8" (Manual /Plain)	1
15.	Vernier Caliper 6" (Digital)	1
16.	Vernier Caliper 8" (Digital)	1
17.	Spring Divider 6" (Stainless steel)	6
18.	Spring Divider 10" (Stainless steel)	6
19.	Outside Spring Caliper (Stainless steel)	
	(a) Size 6"	6



	(b) Size 8"	6
20.	Inside Spring Caliper (Stainless steel)	
	(a) Size 6"	6
	(b) Size 8"	6
21.	Jenny Caliper (Firm Joint) (Stainless steel)	
	(a) Size 8"	3
	(b) Size 10"	3
22.	Depth Gauge 6"	1
23.	Feeler Gauge (std.) 26 Blade	1
24.	(a) Radius Gauge 1-7 mm	1
	(b) Radius Gauge 7-15 mm	1
	(c) Radius Gauge 15-25 mm	1
25.	Thread Gauge	1
26.	Wire Gauge (Round)	1
27.	(a) Hacksaw frame fixed type 12"	6
	(b) Hacksaw frame adjustable type 12"	10
28.	Flat Bastard file 8"	10
29.	Flat Bastard file 12"	10
30.	Flat Smooth file 8"	10
31.	Flat Smooth file 12"	10
32.	Flat File Smooth 10"	10
33.	File Square 8" Bastard	10
34.	File Square 12" Bastard	6
35.	File Triangular 8" Bastard	6
36.	File Triangular 12" Bastard	6
37.	File Round 8" Bastard	6
38.	File Round 12" Bastard	6
39.	File half round 8" Bastard	6
40.	Knife edge file 8" Bastard	1
41.	Needle file set (set of 10 pcs.)	1
42.	Flat Chisel 200 mm	10
43.	Cross Chisel	10
44.	Half round chisel	10
45.	Ball peen Hammer 500 gm.	10
46.	Ball Peen Hammer 300 gm.	5
47.	Straight Peen Hammer 800 gm.	5
48.	Cross Peen Hammer 400 gm.	10
49.	Bench Vice (Steel)	
	(a) Size 6"	10
	(b) Size 8"	10

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50.	Wire Brush for file	6
51.	(a) Spanner set 5-25 mm (10 pcs. Set)	1
	(b) Spanner Set 1/8" to 3/4" (9 pcs. Set)	1
52.	Plier 6"	3
53.	L-key set (1.5mm to 10 mm)	3
54.	Hand Hacksaw Blade 12"	200
55.	Tap Handle 1/2" without Tap	6
56.	Threading Die handle Size 1 1/2" without Round Die	6
57.	Drill chuck with key Taper shank Capacity 6mm with arbor	3
58.	Drill chuck with key Taper shank capacity 12mm with arbor	3
59.	Drill Bits HSS Parallel Shank Set Size 2 mm, 2.5 mm, 3 mm, 3.5 mm, 4 mm, 4.5 mm, 5 mm, 5.5 mm, 6 mm, 6.5 mm, 7 mm, 7.5 mm, 8 mm, 8.5 mm, 9 mm, 9.5 mm, 10 mm, 10.5 mm, 11 mm, 11.5 mm, 12 mm, 12.5mm, 13mm, 14mm, 15 mm, <u>SET OF 25 PIECES.</u>	1set
60.	HSS Taper Shank Drill	
	(a) Size 16 mm	1
	(b) Size 17 mm	1
	(c) Size 18 mm	1
	(d) Size 19 mm	1
	(e) Size 20 mm	1
61.	Number Punch 0-9 (6 mm size)	1
62.	Letter Punch set A-Z (6 mm size)	1
63.	Cast Iron Anvil 50 kg. (Without Stand)	1
64.	Stand for above Quoted Anvil	1
65.	File handle assorted	
	(a) Small	50
	(b) Medium	50
66.	Pipe Vice (Hindged Pipe Vice)	
	(a) Size 3"	1
	(b) Size 4"	1

#### WELDING SHOP

S. No.	DESCRIPTION OF ITEM	Qty
1.	File 12" Rough (Bastard Flat file 12")	10
2.	Try Square	
	(a) Size 6"	10
	(b) Size 10"	4

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3.	Marker Scriber	10
4.	D.E. Spanner Set 1/8" x 1/2" (6 pcs. Set)	1
5.	D.E. Spanner Set 1/8" x 3/4" (9 pcs. Set)	1
6.	D.E. Spanner Set 6 to 22 mm (8 pcs. Set)	1
7.	D.E. Spanner Set 6 to 27 mm (10 pcs. Set)	1
8.	Screw Driver Set	1
9.	L-Key set	
	(a) Size 1.5 mm to 10 mm (9 pcs. Set)	1
	(b) Size 1/6" to 3/8" (10 pcs. Set)	1
10.	Slide Wrench (Adjustable Spanner)	
	(a) Size 10"	2
	(b) Size 12"	2
11.	Oil Cane	2
12.	Cast Iron Anvil 50 Kg. without Stand	2
13.	Stand for above quoted anvil	2
14.	Welding Screen (Hand Screen with dark glass)	6
15.	Goggles (Dark Glass)	12
16.	Flat Tong 12"	10
17.	Wire Brush	10
18.	Hand Gloves	10
19.	Welding Apron	10
20.	Soldering Iron with wooden handle (Manual)	2
21.	Small Hearth without hood for Welding Shop with motorized blower (for manual soldering)	1
22.	Argon Gas Cylinder (Old used Argon Gas Cylinder duly gas filled)	1
23.	CO <sub>2</sub> Gas Cylinder (Old Used CO <sub>2</sub> Gas Cylinder duly gas filled)	1
24.	Gas Welding Flux	1kg
25.	Cross Pein or Ball Pein Hammer	
	(a) 500 grams	5
	(b) 800 grams	5
26.	Chipping hammer	10
27.	Tong for Welding shop	10
28.	Centre Punch	
	(a) Size 4"	10
	(b) Size 6"	10
29.	Spring Divider	

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	(a) Size 6"	3
	(b) Size 8"	3
30.	Manual Lighter with stone (Stone Lighter)	10
31.	Bench Vice	
	(a) Size 4"	4
	(b) Size 6"	4

#### FOUNDRY SHOP

S. No.	DESCRIPTION OF ITEM	Qty
1.	Steel Rammer <ul style="list-style-type: none"> <li>Steel Rammer Round Shape</li> <li>Steel Rammer Square Shape</li> <li>C.I. Peen Rammer</li> </ul>	10 10 10
2.	Wooden Rammer <ul style="list-style-type: none"> <li>Wooden Hand Rammer</li> <li>Wooden Floor Rammer</li> <li>Wooden Peen Rammer</li> </ul>	3 3 3
3.	Trowels <ul style="list-style-type: none"> <li>Trowel Rectangular Shape</li> <li>Trowel Long Shape</li> <li>Trowel Square Shape</li> </ul>	8 8 8
4.	<u>Bent Wire</u> <ul style="list-style-type: none"> <li>Bent Wire (Steel Wire) without handle.</li> <li>Bent Wire (Steel Wire) with handle.</li> </ul>	10 10
5.	Strike Off Bar	8
6.	Hearth And Spoon Slick	10
7.	Yankee Lifter	10
8.	Lifter or Cleaner	10
9.	Draw Spike Sharp Edge	10
10.	Draw Spike Threaded	4
11.	Hand Riddle Round Shape	6
12.	Sprue Cutter (Spru Pin)	10
13.	Draw Screw and Rapping Plate	6
14.	Hand Bellow	4
15.	Wooden Mallet	10
16.	Gate Cutter	6
17.	Smoother and Corner Slicks <ul style="list-style-type: none"> <li>Inside Square</li> <li>Outside Square</li> <li>Flat</li> <li>Half Round Corner</li> <li>Pipe</li> </ul>	3set

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	<ul style="list-style-type: none"> <li>• Button</li> <li>• Egg shaped</li> </ul>	
18.	Shovel Small (Hand Shovel)	
19.	Swab	10
20.	Runner and Riser Set	4
21.	Wooden Smoother	10
22.	Aluminium Smoother	4
23.	Moulding box (Cope & Drag)	6
	M.S. Fabricated SIZE 12" x 12" x 3"x 3/16" (L x W x H x Thickness) UPPER & LOWER (2 Pcs. Set)	10
24.	Moulding box (Cope & Drag)	
	M.S. Fabricated SIZE 12" x 8" x 3"x 3/16" (L x W x H x Thickness) UPPER & LOWER (2 Pcs. Set)	6
25.	Moulding box (Single Piece)	
	M.S. Fabricated SIZE 12" x 12" x 3"x 3/16"	6
26.	Graphite Crucible (20 No.)	2
27.	Graphite Crucible (30 No.)	2
28.	Sprit Level	2
29.	Ladle Handle for 20 to 30 No. Crucible without crucible or ladle	2
30.	Ladle Handle for 30 to 40 No. Crucible without crucible or ladle	1
31.	(a)LADLE 20kg without handle	1
	(b)LADLE 30kg without handle	1
32.	Crucible Lifting Tong for Pit Furnace	1
33.	Coal Lifting Tong Size 40" Long approx. for Pit Furnace	1
34.	Bentonite Powder (50 kg Bag)	5 bag
35.	Coal Dust (40 kg Bag)	4 bag
36.	Molasses	50 kg
37.	Silica Sand	500 kg
41.	Wooden & Aluminum patterns Metal Pattern of Different Shape (Rate on Request)	

#### SHEET METAL – SHOP

S. No.	DESCRIPTION OF ITEM	Qty
1.	Steel Square Size 1' x 2'	6
2.	Steel Rule 12"	10
3.	Measuring Tape 3 Meters	5
4.	Wire Gauge	2

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5.	Spring Calliper Or Divider	
	Spring caliper inside outside or divider size 6"	6
	Spring caliper inside outside or divider size 8"	6
	Spring caliper inside outside or divider size 10"	6
6.	Wing Compass	
	(a) Wing Compass Size 10"	6
	(b) Wing Compass Size 12"	6
7.	Beam Trammel (Trammel's Point)	2
8.	Tinmen's Scriber	10
9.	Wooden Mallet	10
10.	Centre Punch	10
11.	Pin Punch	
	• Pin punch size 5/16"	2
	• Pin punch size 3/8"	2
	• Pin punch size 1/2"	2
12.	Chisel	10
13.	Soldering Iron With Wooden Handle	4
14.	Electric Soldering Iron	4
15.	• Snips Straight Size 12"	10
	• Snips Bent Size 12"	5
16.	Snips Size 10"	10
17.	Rivet Punch (Set of 3 Pcs.)	2set
18.	Rivet Snap With Bottom	2set
19.	Grooved Rail Track For Sheet Metal Shop.	1
20.	Stakes Without Stake Holder	
	(i) Funnel Stake	1
	(ii) Grooving Stake	1
	(iii) Rounding Stake	1
	(iv) Hatchet Stake	1
	(v) Half Moon Stake	1
	(vi) Pipe Stake	1
	(vii) Creasing Stake	1
	(viii) Tea Kettle Stake	1
	(ix) Bick Iron Stake	1
	(x) Round Bottom Stake	1

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	(xi) Anvil Face Stake	1
	(x) Horse Stake	1
	Stake Holder for each stake	5
21.	Tinmen's Hand Stake (Set of 3 Pcs.)	2
22.	Tinmen's Hammer Square Head with handle Big size	10
23.	Tinmen's Hammer Square Head with handle Small size	10
24.	Riveting Hammer with Handle	6
25.	Raising Hammer with handle	6

#### ELECTRICAL SHOP

Sr. No.	Items	Quantity
1.	Wires (1 Sq mm, 1.5 Sq mm, 2.5 Sq mm)	1 roll of 100 metre each
2.	One way switch (6 amp)	30
3.	5 Pin Socket (6amp)	30
4.	One way switch (16 amp)	30
5.	5 Pin Socket (16 amp)	30
6.	Button Holders	10
7.	Pendent Holders	10
8.	Two way Switch	15
9.	Bell Push	15
10.	Gang Box (1+0, 1+1, 2+1, 3+1, 4+1)	2 each
11.	Regulator (Switch Type, Socket Type)	10 each
12.	Wooden Board (7x4, 8x10)	10 each
13.	Modular Box (4x3, 3x3, 5x3, 8x3, 8x6, 5x5)	10 each
14.	Tape Roll (Red, Green, Black)	5 each
15.	ICTP Box 32 amp	5
16.	ICDP Box 32 amp	5
17.	Single Phase Variac / Auto transformer	1
18.	Three Phase Variac/ Auto transformer	1
19.	Batton ¾ inch, 1 inch, 1.5 inch, 2 inch	20 metre each
20.	Steel Screw ¾ inch, 1 inch, 1.5 inch, 2 inch	100 each
21.	Machine Screw ¾ inch, 1 inch, 1.5 inch, 2 inch	100 each
22.	Junction Box	20
23.	Ceiling Box (Plastic)	10
24.	Cable (Aluminums) 5 Sq mm, 10 Sq mm	10 metre each

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25.	MCB (Black Nob, Blue Nob, Green Nob, Red Nob)	5 each
26.	Ammeter (AC/DC) Analog type (0-5A)	05
27.	Volt meter (AC/DC) Analog type (0-500V)	05
28.	Indicator (AC/DC)	05
29.	Hertz Meter (0-100Hz) Analog type	05
30.	Multimeter	05/02
31.	Clamp Meter	05/02
32.	Plyer (Flat Nose)	05
33.	Plyer (Long Nose)	05
34.	Wire Stripper	05
35.	Screw Driver set	05
36.	Tester (Pin type)	10
37.	Hammer (small)	05
38.	Hacksaw with Blades	05
39.	Goti Set (7mm to 14mm)	02
40.	Spanner Set	02
41.	Hand Drill	02
42.	Electric Drill	02
43.	Ellen Key (3 mm To 10 mm)	02

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