



QUOTATION CALL NOTICE

No. 628 / Dated 06.5.2022 /


Scaled Quotations are invited from reputed Suppliers/Registered Firms/Stockiest /Retailers/Contractors to supply Tools & Equipments of reputed brand for Mechanical Engineering Department and Workshop and to furnish a Computer Server compartment of Aluminum/glass partition with supply of computer server of reputed company for Computer Lab. of this Institution for the year 2022-23. Quoted price should be included of cost of item with installation charge, freight & transport and other charges (if any). No other claim apart from quoted price will be entertained. The quantity mentioned in the list is tentative and may differ/increase/decrease while placing of purchase order. Model and Make of the equipment/tools/computer server must be clearly mentioned failing which quotation will be rejected & quoted price will not be considered. Interested persons are requested to visit our Institution website and find the list of Tools & Equipments and Computer Server with furnishing work of compartment with glass/aluminum door with quantity & specification. Interested bidders are requested to submit quotation in a sealed envelop super scribing as 'Quotation for supply of "Tools & Equipments for Mechanical Engg. Department & Workshop & Others for the year 2022-23". The sealed envelop complete in all respect should reach the office of Govt. Polytechnic Koraput on or before 16.05.2022 by 11am by Regd. Post/ Speed Post/By Person. Documents like PAN & Aadhar card of the bidder/firm and GST Return Certificate of FY 2021-22 duly issued by the competent authority must be enclosed with the quotation failing which the quotation will not be considered. The decision of the Purchase Committee shall be binding to all for any dispute arising out on any matter related to this quotation notice. The quotations received by due date shall be opened on 16.05.2022 at 12.30pm in the Principal's chamber in presence of the Purchase Committee Members. Representative with due authorization may attend the opening of the quotations on the schedule date & time. The detail list of items with specification is available in the institution web site www.govtpolytechnickoraput.in.

The authority reserves the right to accept or reject any or all quotations without assigning any reason thereof.


Principal,
Govt. Polytechnic Koraput


Memo 629 / Date 06.05.22 /

Copy to Versatile IT Services Pvt. Ltd, BBSR for information and necessary action with a request to upload the Quotation Call Notice along with list of items by 06.09.2022 positively.


Principal
615122


Memo 630 / Date 06.5.22 /

Copy to D.I.O., NIC, Koraput with a kind request to upload in the website of nickoraput for wide publication.


Principal
615122

List of Tools & equipments of Mechanical Engg of Govt. Polytechnic Koraput


Sl. no	Lab	Name of the Equipment	Detail Description	Qty
01	POWER STATION ENGG LAB	Jet Condenser Model	Stainless steel semi automatic multi jet type	01
02	POWER STATION ENGG LAB	Cornish Boiler Model	STEEL SHELL IS ABOUT 75 CM LONG AND 22 CM IN DIAMETER MODEL IS APPROXIMATELY 1 M IN LENGTH 30 CM IN BREADTH 45 CM HEIGHT	01
03	POWER STATION ENGG LAB	Vertical Water Steam Boiler	Working pressure-10.54 cg/sq cm Material-Mild Steel Capacity-500 kg/hr Condition--New Efficiency-88 +/-2 % Voltage-440 V Phase-3- phase	01
04	AUTOMOBILE ENGG	Cut Section Differential of tractor	Differential Gear Assembly – Actual Cut Section The working of differential gear is shown with the help of actual parts assembled on square iron pipe frame. All the necessary parts of differential gear are shown in actual working form. This model helps the student to understand the working of the differential gear very easily. It is specially made dissectible for demonstration purpose	01
05	AUTOMOBILE ENGG	Cut Section Differential of Pump	_____	01
06	AUTOMOBILE ENGG	Assembly of Car Engine with Gear Box , Cluth plate & related accessories	METAL: COPPER FREQUENCY:0-5 A PHASE : SINGLE POWER:220-240 VOLE THERMOSTAT:5-15 DRGREE CELCIUS	01
07	REFRIGERATION AND AIR CONDITIONING LAB	Water Cooler Test Rig	METAL: COPPER FREQUENCY:0-5 A PHASE : SINGLE POWER:220-240 VOLE THERMOSTAT:5-15 DRGREE CELCIUS	01
08	REFRIGERATION AND AIR CONDITIONING LAB	Vaccum Pumpset with accessories	5 HP 3 PHASE VOLATGE:440 FREQUENCY:50 HZ VACCUM:UPTO 640 MM AIR FLOW RATE:162 METER/HOUR	
09	ME Lab	Fire and Flash point Apparatus	METAL:MILD STEEL POWER : 500 WATT FREQUENCY:50HZ ACCURACY UPTO 2 MM 220 VOLT	01
10		Joules Apparatus	MECHANICAL Heat experiment apparatus	
11	Fluid Power Lab	Kaplan Turbine Test Rig	KAPLAN TURBINE 250 MM SIZE TO DEVELOP 1 H.P. OF 1500 RPM . 2.WATER FLOW RATE :6000 LPM AT 5 METERS SUPPLY HEAD . 3. ROPE BRAKE DYNAMOMETER FOR OUTPUT TORQUE MEASURMENT WITH SET OF DEAD WEIGHTS AND SPRING BALANCE . 4.NET HEAD MEASURMENT BY PRESSURE GAUGE IN BAR WITH BALL VALVE. 5.MONOBLOCK PUMP : 20 HP /250 MM SIZE /6000 LPM AT 8.5 METERS HEAD /440 VOLT 3 PHASE .	01
12			Steam Turbine Test rig 1 Hp with Boiler	01


Principal
Govt. Polytechnic
Koraput

Mechanical Workshop Tool / Equipments Requirement details with Specification and Deptt Of Mechanical Engg. Govt. Polytechnic Koraput

Sl. No	Lab	Item	Specification	Qty
01	WELDING	OXYGEN CYLINDER	SPECIFICATION:-WATER CAPACITY(LITRE)-JUMBO D TYPE (46.7) LITER WORKING PRESSURE-150KGF/SQUARE CM TYPES OF CYLINDER-FILLED CERTIFICATION-BIS ORIGIN-MADE IN INDIA	01
02	WELDING	ACETYLENE CYLINDER	SPECIFICATION:- PRODUCT MIN CYLINDER VOLUME (IN CUBIC INCH) SOLVENT ACETYLENE (IB) DOT/TC SPECIFICATION ACETYLENE CYLINDER S-10-125-1.3 S-40-466-5.1 S-40DF-466-5.1	01
03	WELDING	PRESSURE GAUGES	SPECIFICATION:- SCALE UNITS: SELECT THE DESIRED PRESSURE MEASUREMENT UNITS COMMON UNITS ARE GIVEN .SPECIAL UNITS AND COMPOUND RANGE ARE WIDELY AVAILABLE.A UNIT OF MEASURE OF ATMOSPHERIC PRESSURE ONE BAR IS USED TO 0.987 ATMOSPHERE.	02
04	WELDING	PRESSURE REGULATOR	SPECIFICATION:MAX PRESSURE-300 PSI/200 BAR/20 MPA MATERIALS-ANODISED ALUMINIUM STAINLESS STEEL SEAL MATERIALS:BUNA-N DELRIN TEFLON MIN OPERATING TEMPRETURE-0 DEG FARENHITE/-18 DEG CELSIUS MAX OPERATING TEMPRETURE-140 DEG F/60 DEG CELSIUS	02
05	WELDING	WELDING TORCH	SPECIFICATION: COLOUR-YELLOW BRAND-SEEMA ITEM WEIGHT-500 GRAMS ITEM DIMENSION L*W*H-36X4.5X3.5 CM MATERIAL-BRASS TEMPRETURE-1000 DEG CELSIUS	01
06	WELDING	HOSE PIPE	SPECIFICATION: SIZE IN 20 MM -WALL THICKNESS IN 4.5 MM-STANDARD LENGTH 10 MTRS	10 METER S
07	WELDING	CHIPPING BRUSH	SPECIFICATION: BRITTLE MATERIAL-CARBON STEEL USE/APPLICATION-WELDIND BRUSH BRISTLE LENGTH-280 MM BRAND-MESSER CURRENT-35%	5
08	FITTING	HAND DRILL	SPECIFICATION: BRAND-AA SONS ITEM DIMENSION L*W*H-27.9X5.1X5.1 CM SURFACE RECOMMENDATION-WOOD COMBO OF HAND DRILL +13 PCS HSS DRILL SET FOR DRILLING INTO WOOD UPTO 6 MM TO 1/4 INCH DRILL BIT CAN BE USED	03
09	CARPENT RY	CLAW HAMMER	SPECIFICATION-HEAD WEIGHTS-2 LB MATERIAL-SS HANDLE LENGTH-10-15 INCH HEAD LENGTH-5 INCH	05
10	CARPENT RY	MALLET	SPECIFIACATION-SIZE- 5 "X3"X2.5' HEAD RAW MATERIAL USED-HARD WOOD SPECIAL FEATURE-WAXED POLISHED	5
11	CARPENT RY	CIRCULAR SAW	SPECIFICATION: WEIGHT-175 KG MAX CIRCULAR SAW-305X25.4 MM DIAMETERX BORE-12"X1" WORK TABLE SIZE-660X560 MM/26X22" CIRCULAR SAW SPEED-400 RPM POWER REQUIRED-3 HP/1440 RPM	01
12	CARPENT RY	MARKING GAUGE	SPECIFICATION-MATERIAL-STEEL SIZE-STANDARD APPLICATION-WOOD WORKING PACKING SIZE-STANDARD WEIGHT- 180 GM DIMENSION L*W*H-45X5X5	5
13	MORTISE	GAUGE	SPECIFICATION-ITEM DIMENSION L*W*H-(10.2X27.9X5.1) CM WEIGHT-0.4 POUNDS MANUFACTURE-ROBERT LARSON CO. MODEL NO-605-1250 WEIGHT-181 GM DIMENSION-(10.16X27.94X5.08) CM (181 GRAINS)	5
14	CARPENT RY	RIP SAW	USE - HEAVY DUTY(PLATINUM); SAW CUTTER DIAMETER - 10" OR 12"; NO. OF CUTTER DIAMETER - 7; POWER REQUIREMENT - (15HP/20HP), 1440 RAM; CUTTING SIZE IN THICKNESS - (12 - 70)mm	10
15	SMITHY	COPING SAW	SIZE - 14"; FRAME MATERIAL - CAST IRON; BLADE MATERIAL - CARBON STEEL; SURFACE FINISH - PAINT COATED; TYPE - MANUAL	10
16	CARPENT RY	FIRMAR CHISEL	SHAPE - RECTANGLE; OVERALL LENGTH - 8"; COLOUR - RED & SILVER; MATERIAL - MILD STEEL; FINISHING - POLISHED	10
17	CARPENT RY	CHISEL	LENGTH - 7.5"; BLADE WIDTH - 1"; THICKNESS - 3.25mm;	2
18	CARPENT RY	TRYING PLANE	DIMENSION - (47 x 16.5 x 8.5)cm; WEIGHT - 150g; ASIN - BOOPREFKYHC; HEMPART NUMBER - MK06	5
19	CARPENT RY	RASP	SIZE(in inch) - 6" TO 14"; SIZE(in mm) - 150 TO 350; WIDTH(in mm) - 16 TO 36; BRAND - PILOT; MATERIAL - DIAMONED	5
20	CARPENT RY	GIMLET	SIZE - (2,2.5,3,3.5,4,4.5, & 5)mm	7
21	CARPENT RY	C-CLAMP	MATERIAL - SPECIAL ALLOY STEEL; FINISH - CATHODIC ELECTROPOSITIONING COATING; PRODUCT SPECIFICATION - CLAMP RANGE(50mm - 200mm); PRODUCT SPECIFICATION - ALL 6 SIZES	3
22	CARPENT	CROSS - PEEN	WEIGHT - 1Kg, HEIGHT - 6cm; INCLUDED COMPONENTS - AGRICO TATA CROSS PEEN	5

	RY	HAMMER	HAMMER WITH WOODEN HANDLE 200g; BRAND - AGRICO; LENGTH - 33cm	
	CARPENTRY	BENCHVICE	MATERIAL - CAST IRON; TYPES OF VICE - BENCH VICE; SIZE: 4" - 12"; BUSH TYPE - FIXED; JOB WIDTH - (100 - 300)mm	8
	CARPENTRY	FEELER GAUGE	BLADE MATERIAL - STEEL; BLADE LENGTH - 77mm; DIMENSION TYPE - METRIC; MAX. THICKNESS - 1mm; MIN. THICKNESS - 0.05mm; NO. OF FEELER BLADE - 20; THICKNESS RANGE - 0.05mm to 1mm	5
5	CARPENTRY	POWER HACKSAW BLADES HSS HARD	LENGTH - 12 inch; WIDTH - 1 inch TPI - 10.14	5
26	CARPENTRY	LATHE MACHINE BELT	LENGTH - 737mm; WIDTH - 10mm; HEIGHT - 8mm; BELT SECTION - SPZ	12
27	CARPENTRY	V - BLOCK	80mm x 80mm	2
28	CARPENTRY	SURFACE GRINDING WHEEL	SIZE: 300mm x 50mm x 76.2mm; SHAPE - ROUND; MAX. SPEED - 80m/s;	2
29	SMITHY	FURNACE OF HEARTH (WITH CENTRE BLOWER)	BLOWER TYPE - HAND BLOWER WITH IRON FURNACE; POWER SOURCE - MANUAL; MATERIAL - ALUMINIUM BLOWER WITH IRON FURNACE; COLOUR - LIGHT GREY + BLACK; FINISHING - HIGH QUALITY; OPERATION MODE - MANUAL; PACKING TYPE - INBOX; SIZE/DIMENSION: 16" x 8" x 8.5" ; APPLICATION - HAND BLOWER CAN BE USED FOR INDUSTRIAL PURPOSE, BY BLACKSMITH, IN CAMPING, IN METAL MELTING; WEIGHT - 6Kg	1set
30	SMITHY	SHOVEL	SIZE(in mm): 225 x 120 x 403; HANDLE MATERIAL - WOOD; COLOUR - BLACK; LENGTH - 225mm; WIDTH - 125mm	5
31	SMITHY	POKER	MATERIAL - STEEL MAIN; COLOUR - BLACK; LENGTH - 43cm CONVERSION; 1cm = 0.39inch; 1inch = 2.54cm; FEATURES - MADE OF IRON STEEL MATERIAL	5
32	SMITHY	SLEDGE HAMMER	HANDLE - 50cm (1ft. 8inch) TO A FALL; 1m (1ft. 3inch) LONG, DEPENDING ON THE MASS OF HEAD. THE HEAD MASS IS USUALLY (4.5 - 9) Kg	5
33	SMITHY	PICK-UP TONG	MATERIAL - STEEL; COLOUR - BLACK; DIMENSION(in cm) - 40.6 x 2.5 x 5.1; WEIGHT - 2 POUNDS(907g)	10
34	SMITHY	CHISEL TONG	LENGTH-12" TO 18"	5
35	SMITHY	CLOSE FLAT TONG	MATERIAL - SS400; LENGTH - 360mm; MOUTH TIP, LENGTH - 55mm; MASS - 500g	5
36	SMITHY	PINUR TONG	LENGTH-12" TO 18"	5
37	SMITHY	HOT CHISEL	MATERIAL - MILD STEEL; SURFACE FINISH - COLOUR COATED; DIMENSION(in in	5
38	SMITHY	COLD CHISEL	BLADE WIDTH - 3/4 inch; OVERALL LENGTH - 175mm	5
39	SMITHY	DRIFT	L X W X H- 12.2 x 4.33 x 1.57 inches	5
40		SPECIFICATION OF SERVER	HPE PROLIANT ML 350 GEN 10 TOWER SERVER 2.10GHZ/8C/11MB/85W/16GB, MEMORY UPTP 3TB, DDDRY RAM IN 24 DIMM SLOTS ETC WITH 3 YEARS WARANTY	1
41		SERVER COMPARTMENT	ALUMINIUM FRAME WITH GLASS /ACP SHEET FOR PARTITION WORK FOR PROVISION OF SERVER ROOM RATE TO QUOTED PER SQ,FT	1


 Principal 5/5/22
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