

Government College of Engineering

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No. GECA/Mech/Store/2018/ 3170

Date

24 SEP 2018

Institute Notice Board,
Institute Web Site,
Mech. Notice Board,
Office copy

Subject :- Quotation for Supply Of **PLC based Electro Pneumatic PLC Trainer Kit.**

Dear Sir,

You are requested to send your competitive quotations for the supply of the following items subject to the following conditions.

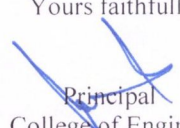
CONDITIONS:

- 1.Rates quoted should be FOR AURANGABAD or free delivery at the Institute inclusive of all lead and Lift.
- 2.Detailed specifications of the articles you intend to Supply should be given. If not according to the specification, laid down here under.
- 3.The material should be supplied within (01) Week from the date of order. List of material is given below.
- 4.The earliest delivery period should be quoted if you cannot supply within the period mentioned above.
- 5.Quotation should be in sealed cover and superscripted as "Quotations" for **PLC based Electro Pneumatic PLC Trainer Kit** Due on 05/10/18 at 3 P.M.
- 6.Quotation should be valid for six month.
- 7.Right to reject any or all quotations rights are with the under signed.
- 8.Rates quoted must be inclusive of All applicable Taxes.
- 9.Predispatch inspection wii be carried out by expert committee at suppliers site . After satisfactory report of experts will inisheat further process.
- 10.No advance shall be paid and No part payment shall be made.
- 11.Quotation not complying with the above conditions and incomplete once will not be considered.
- 12.**Only Original equipment manufacturer are quote the quotation.**

| Sr. No. | Description | Qty. |
|---------|--|--|
| 01 | PLC based Electro Pneumatic PLC Trainer Kit :- 01) Filter Regulator Combination with lubricator (FRL Unit) with pressure gauge :- a) Port Size – ¼ inch (b) Flow rate – 500 L/min (c) Max. Supply pressure – 10 bar (d) Filtration (e) Min. Oprating flow – 12 L/min (f) Filter Bowl capacity – 20 ml. (g) Lubricator Bowl capacity -20 ml. (h) Connection for tube 8 dia input & 8 dia output (i) Mounting – push to lock / unlock mechanism. 02) Junction Box with slide Valve :- (a)Junction box fitted with 3/2 side valve & 7 nos. of self sealing fitting of 4 mm dia (b) Max. working pressure – 10 bar (c) Junction box Material – Aluminium (d) Mounting – push to lock / unlock mechanism. 03) Flow Control Valve – metering In & Out – to control the sprrd of DAC (2 Nos. / set) (a) Material – Plastic Body (b) size – Dia 4 mm (c)Type – Inline (d)Pressure range – 1 to 10 bar (e)Mounting – Push to lock / unloch mechanism 04) Double acting cylinder (DAC) :- (a) Material – SS barrel (b) Size – 20 dia (min.) (c) Stroke – 80 mm (min.) (d)Type – Miniature cyclinder (magnetic) (e) Max. Pressure – 10 bar (f) End cushioning – adjustable end cushioning (g) Mounting - push to lock / unlock mechanism with slot stone indicator knob 05) Single acting cylinder (SAC) :- a) Material – SS barrel (b) Size – 20 dia (min.) (c) Stroke – 40 mm (min.) (d)Type – Miniature cyclinder (magnetic) (e) Max. Pressure – 10 bar (f) End cushioning – fixed end cushioning (g) Mounting - push to lock / unlock mechanism with slot stone indicator knob 06) Multi distributor fitting (for cascading circuit designing) :- a) Material – Plastic Body (b) size – Dia 4 mm (c) Max. pressure – 10 bar (d) Mounting – push to lock / unlock mechanism. 07) One touch fitting :- (a) union T fitting & Union Y fitting – Each 4 Nos. (b) Size – suitable for tubes with 4 dia outer meter (c) Material – Plastic body (d) Max. pressure – 10 bar. 08) 4 plug :- (a) Size – 4 dia outer meter (c) Material – Plastic body (d) Max. pressure – | 01 No. 01 no. 02 sets 01 No. 03 Nos. 01 Set 06 |

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|---|-----------------|
| 10 bar | Nos. |
| 09)8 Polyurethane tube :- (a) Material – Polyurethane (b) Size – 8 dia outer meter (c) Max. pressure – 10 bar. | 05 |
| 10)4 Polyurethane tube :- a) Material – Polyurethane (b) Size – 4 dia outer meter (c) Max. pressure – 10 bar. | Mtrs. 10 |
| 11) Tube cutter with safety lock :- (a) Material body – plastic , blade – SS (b) should cut tubes from 4 mm dia up to 12 mm dia. | Mtrs. 01 No. |
| 12) 5/2 single sol. Op. valve with spring return :- (a) Material – Extruded aluminium , with anodized finish (b) size – 1/8" (c) Operating voltage – 24 V DC (d) Spool type (e) Pressure range – 2 – 10 bar (f) Floe rate – 450 L/min. (g) Mounting – push to lock / unlock mechanism. | 02 |
| 13) 5/2 Double sol. Op. valve with spring return :- (a) Material – Extruded aluminium , with anodized finish (b) size – 1/8" (c) Operating voltage – 24 V DC (d) Spool type (e) Pressure range – 2 – 10 bar (f) Floe rate – 450 L/min. (g) Mounting – push to lock / unlock mechanism. | Nos. |
| 14) Magnetic sensor with clamp for miniature cyl :- (a) Type – Solid state output – PNP (b) Connection – M8 male QD connector (c) Operating voltage – 24 V DC (d) Mountung – Clamping type. | 06 Nos. |
| 15) Electrical pushbutton module :- (a) Operating voltage – 24 V DC (b) Type – NO / NC type with Led indicator (c) LED operating voltage 24 V DC (d) Spring return – Green colour button (e) Detent – Red colour button (f) Mounting – Press to lock / unlock | 01 No. |
| 16) Electrical Connection set :- | 01 No. |
| 17) Electro Pneumatic – Text :- | 01 No. |
| 18) PLC Kit assy – advanced :- | 01 No. |
| 19) PLC programming software ladder programming , 2000 points SCADA for RUN time & development , virtual Automation software for pneumatic with 2D / 3D view with library for pneumatic digital electronics etc. (01 user each) | 01 No. |
| 20) PLC Programming cable :- | 01 No. |

Yours faithfully


Principal
Govt. College of Engineering
Aurangabad.