

# **TENDER DOCUMENT**

**E-Tender Notice No: 01/2022-23/RGNUL**

Dated: 22/ 04 /2022

**Converting 2 no. Halls at second floor into 11 cabins/offices in Academic block at RGNUL, Punjab, Sidhuwal, Patiala.**

VOLUME -2



(Construction and Maintenance Wing)  
Rajiv Gandhi National University of Law,  
Punjab, Patiala

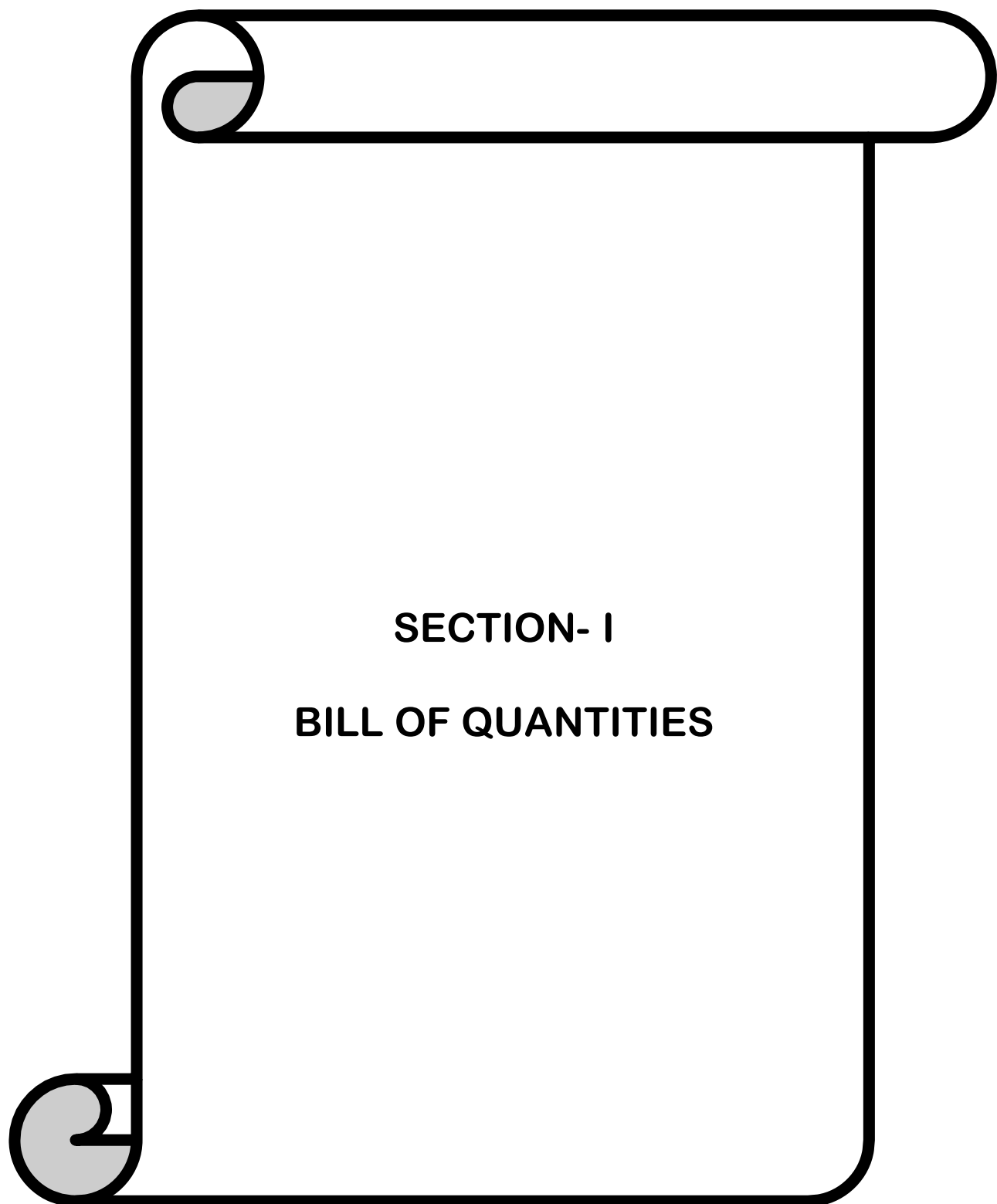
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**SECTION- I**

**BILL OF QUANTITIES**

**BILL OF QUANTITIES**

**Converting 2 no. Halls at second floor into 11 cabins/offices in Academic block at RGNUL, Punjab, Sidhuwal, Patiala.**

| S. No | Description of items   | Unit   | Appx Quantities | Rate to be quoted by the bidder | Amount |
|-------|--|--------|-----------------|---------------------------------|--------|
| 1     | Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material within 50 meters lead as directed by Engineer-in-charge  | 137.62 | Sqm             | 46                              | 6331   |
| 2     | Providing and fixing mineral fibre false ceiling tiles ( NRC 0.55 to 0.6) at all heights of size 595X595x16 mm of approved texture, design and pattern. The tiles should have Humidity Resistance (RH) of 99%, Light Reflection > 85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Fire Performance as per (BS 476 pt - 6 &7)in true horizontal level suspended on interlocking T-Grid of hot dipped all round galvanized iron section of 0.33 mm thick (galvanized @120 gsm) comprising of main T runners of 15x32 mm of length 3000 mm, cross T of size 15x32mm of length 1200 mm and secondary intermediate cross T of size 15x32 mm of length 600 mm to form grid module of size 600x600 mm suspended from ceiling using galvanized mild steel item (galvanised@80gsm) 50 mm long 8mm outer diameter M-6 dash fasteners, 6 mm diameter fully threaded hanger rod up to 1000 mm length and L-shape level adjuster of size 85x25x2 mm, spaced at 1200 mm centre to centre along main 'T'. The system should rest on periphery walls /partitions with the help of GI perimeter wall angle of size24x24X3000 mm made of 0.40 mm thick sheet, to be fixed to the wall with help of plastic rawl plug at 450 mm centre to centre & 40 mm long dry wall S.S. screws. The exposed bottom portion of all T-sections used in false ceiling support system shall be pre-painted with polyester baked paint, for all heights. The work shall be carried out as per | 96.3   | Sqm             | 1681                            | 161880 |

|    |  |        |      |        |        |
|----|--|--------|------|--------|--------|
|    | specifications, drawings and as per directions of the engineer-in-charge.  |        |      |        |        |
| 3  | Repair of existing Providing and Fixing ceiling consisting of 12.5mm thick Gypsum Board of any size G.I. Cradling hanged from the ceiling by means of G.I. hanger complete as per drawings, specifications and to the entire satisfaction of engineer-in-charge.   | 41.3   | Sqm  | 1321   | 54557  |
| 4  | Preparation of plastered or concrete surface for painting (including sand papering the surface) using ready mixed cement based wall putty by applying two coats to get required finish   | 41.3   | Sqm  | 80     | 3304   |
| 5  | Wall painting with plastic emulsion paint of approved brand and manufacturer to give an even shade (two coats)   | 41.3   | Sqm  | 89     | 3676   |
| 6  | Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : 21.1.1 For fixed portion 21.1.1.3 Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron) | 720    | Kg   | 464.7  | 334584 |
| 7  | Providing & fixing glazing in aluminium door, window, ventilator shutters & partitions etc with PVC/neoprene gasket etc complete as per the architectural drawings & the directions of engineer in charge (cost of aluminium snap beading shall be paid in basic item)   | 171.72 | Sqm  | 1296.4 | 222618 |
| 8  | Extra for glass toughened door lock  | 11     | each | 1200   | 13200  |
| 9  | Extra for glass door fitting 450 mm long handle etc  | 11     | each | 1500   | 16500  |
| 10 | Providing and fixing glass taping work   | 171.72 | sqm  | 700    | 120204 |

|    |   |        |      |        |                  |
|----|---|--------|------|--------|------------------|
| 11 | Providing and fixing commercial plywood 12mm thick  | 228.96 | sqm  | 1006   | 230334           |
| 12 | Providing & Fixing decorative high pressure laminated sheet 1mm SF thick with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.  | 228.96 | Sqm  | 1112   | 254604           |
| 13 | Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge  | 24.20  | Sqm  | 4094   | 99075            |
| 14 | Providing and fixing 12mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-In-Charge. Prelaminated particle board with decorative lamination on Both side.  | 114.48 | Sqm  | 1148   | 131423           |
|    | <b>Total</b>  |        |      |        | <b>1652290/-</b> |
|    | <b>Electric work</b>  |        |      |        |                  |
|    | <b>SURFACE PVC CONDUIT PIPE WIRING SYSTEM WITH MODULAR SWITCHES:</b>  |        |      |        |                  |
| 1  | Wiring in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5sq. mm, 1100volts grade to be laid in heavy gauge PVC conduit pipe 20mm/ 25mm dia (ISI Marked) installed on surface etc., complete with PVC boxes (Plastic on surface boxes) required for suitable number of modules (Modular accessories) etc. (switches make-North west Nowa or any other equivalent make should be firstly approved from Engineer-In-Charge before the implementation) |        |      |        |                  |
|    | Wiring fan point (Without fan box)  | 11     | Each | 1057.5 | 11633            |
|    | Wiring light point  | 15     | Each | 675    | 10125            |
|    | Wiring call-bell point  | 1      | Each | 703.75 | 704              |
|    | Wiring 6Amp. wall socket point  | 11     | Each | 586.25 | 6449             |
|    | Wiring 6Amp. Plug control comprising wall socket point  | 30     | Each | 375    | 11250            |

|   |  |      |       |        |       |
|---|--|------|-------|--------|-------|
|   | Wiring 16/20Amp. power plug control point  | 11   | Each  | 476.25 | 5239  |
|   | Wiring light point without control switch.   | 11   | Each  | 331.25 | 3644  |
|   | Wiring light point with double control switches.   | 1    | Each  | 1042.5 | 1043  |
| 2 | <b>PVC INSULATED FR COPPER CONDUCTOR CABLES:</b>   |      |       |        |       |
|   | <b>Supply and erection of PVC insulated FR single core Unsheathed copper conductor cable (ISI marked) suitable upto 1100 volts grade confirm to IS:694/1990 left bare in pipe or casing of suitable size complete in all respect as desired by the Engineer-in-charge:-(Makes-RR Kable, Polycab,Havells)</b> |      |       |        |       |
|   | Overall size 1.5sq.mm (Un-sheathed)  | 150  | Metre | 23.4   | 3510  |
|   | Overall size 2.5sq.mm (Un-sheathed)  | 1111 | Metre | 35.1   | 38996 |
|   | Overall size 4sq.mm (Un-sheathed)  | 935  | Metre | 50.7   | 47405 |
|   | Overall size 6sq.mm (Un-sheathed)  | 210  | Metre | 70.2   | 14742 |
|   | Overall size 10sq.mm (Un-sheathed)   | 210  | Metre | 114.4  | 24024 |
|   | <b>PVC, HDPE PIPES &amp; PVC FLEXIBLE PIPES:</b>   |      |       |        |       |
| 3 | <b>Supply &amp; erection of PVC Conduit Pipes (ISI marked) as per IS9537:Part-III &amp; HDPE pipes (ISI marked) as per IS:4984:1995 for wiring purposes including bends, junction boxes, Steel hooks, M.S. saddle clamps and other petty materials etc., as per PWD General Specifications:-</b>             |      |       |        |       |
|   | Heavy Gauge PVC Conduit Pipe 20mm dia. (On Surface)  | 10   | Metre | 44.8   | 448   |
|   | Heavy Gauge PVC Conduit Pipe 25mm dia. (On Surface)  | 330  | Metre | 54.6   | 18018 |
|   | Heavy Gauge PVC Conduit Pipe 32mm dia.(On Surface)   | 10   | Metre | 82.6   | 826   |
|   | Heavy Gauge PVC Conduit Pipe 40mm dia. (On Surface)  | 1    | Metre | 105    | 105   |
|   | Heavy Gauge PVC Conduit Pipe 50mm dia. (On Surface)  | 1    | Metre | 149.8  | 150   |
|   | Heavy Gauge PVC Conduit Pipe 20mm dia. (Flushed)   | 10   | Metre | 57.4   | 574   |
|   | Heavy Gauge PVC Conduit Pipe 25mm dia. (Flushed)   | 165  | Metre | 67.2   | 11088 |
|   | Heavy Gauge PVC Conduit Pipe 32mm dia. (Flushed)   | 20   | Metre | 92.4   | 1848  |
|   | Heavy Gauge PVC Conduit Pipe 40mm dia. (Flushed)   | 1    | Metre | 121.8  | 122   |
|   | Heavy Gauge PVC Conduit Pipe 50mm dia. (Flushed)   | 1    | Metre | 168    | 168   |
| 4 | <b>SHEET METAL DOUBLE DOOR DISTRIBUTION BOARD FOR MCB's/ RCBO's/ RCCB's:</b>   |      |       |        |       |

|   |  |    |     |         |                  |
|---|--|----|-----|---------|------------------|
|   | Supply and erection of sheet metal Double Door Distribution Boards IP 43-IK09 metal door (dust protected) as per IS 8623-1&3, IEC 61439-1&3 suitable for flush mounting with fully insulated copper busbars, shrouded neutral bars, earth bars bonding to existing earth etc:-   |    |     |         |                  |
|   | TP&N Horizontal Double Door Distribution Board 8 way each  | 2  | no. | 4071.00 | 8142             |
| 5 | <b>MINIATURE CIRCUIT BREAKERS/ RCBO's/ RCCB's:</b>   |    |     |         |                  |
|   | <b>MINIATURE CIRCUIT BREAKERS:</b>   |    |     |         |                  |
|   | MCB Single Pole 6-32amp. (10kA, Curve-C)   | 48 | no. | 180.90  | 8683             |
|   | <b>RCBO's:</b>   |    |     |         |                  |
| 6 | Supply and erection of RCBO (Residual Current Breaker Overload) for Earth leakage, overload and short circuit protection suitable for 240/415 volts 50 cycles AC supply with breaking capacity of 10kA as per IEC 61009 in the existing MCB distribution board as per PWD General Specifications including connections with suitable size of thimbles/lugs:- |    |     |         |                  |
|   | RCBO Four Pole 40amp., Sensitivity 100mA   | 1  | no. | 3935.3  | 3935             |
|   | RCBO Four Pole 63amp., Sensitivity 100mA   | 1  | no. | 4468.9  | 4469             |
| 7 | P/F of LED Light size 2'x2' of 36 watt Unique slim design model no. RC360B LED36S-6500 V1 L60W60 PSU Od make philips(signifies) including necessary connection/ testing, complete in all respect as desired by the Engineer-In-Charge. or any other equivalent make should be firstly approved from Engineer-In-Charge before the implementation)            | 22 | no. | 2616    | 57552            |
|   | <b>Total</b>   |    |     |         | 294892           |
|   | <b>SUB-TOTAL civil + electrical work</b>   |    |     |         | <b>1947182/-</b> |

**NOTE:- All the quoted rates are inclusive of all the taxes including GST & freight etc.**



## **SECTION- II**

### **FORM OF BID**



## FORM OF BID

### Description of the Works

**Converting 2 no. Halls at second floor into 11 cabins/offices in Academic block at RGNUL, Punjab, Sidhuwal, Patiala.**

To

**Registrar,  
RGNUL, Patiala**

I/we have gone through the terms and conditions of this bidding document diligently.

My/our bid is as under:-

1. My/Our bid \_\_\_\_\_ the total tendered amount calculated above is **Rs .....**/-.
2. For payment purposes, item rates quoted against each item shall be applicable.
3. We undertake, if our Bid is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Engineer's notice to commence and to complete the whole of the Works comprised, the Contract within the firm stated in the document.
4. We agree to abide by this Bid for the period of **120 days** from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. Unless and until a formal Agreement is prepared and executed, this Bid together with your written acceptance thereof shall constitute a binding contract between us.

6. We understand that you are not bound to accept the lowest or any tender, you may receive.

**Unconditional Rebate if any:-**

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 2018

Signature \_\_\_\_\_ in the capacity  
of \_\_\_\_\_ duly authorized to sign bids for and on  
behalf of \_\_\_\_\_  
(In Block capitals or typed)

Address

\_\_\_\_\_  
\_\_\_\_\_

Witness

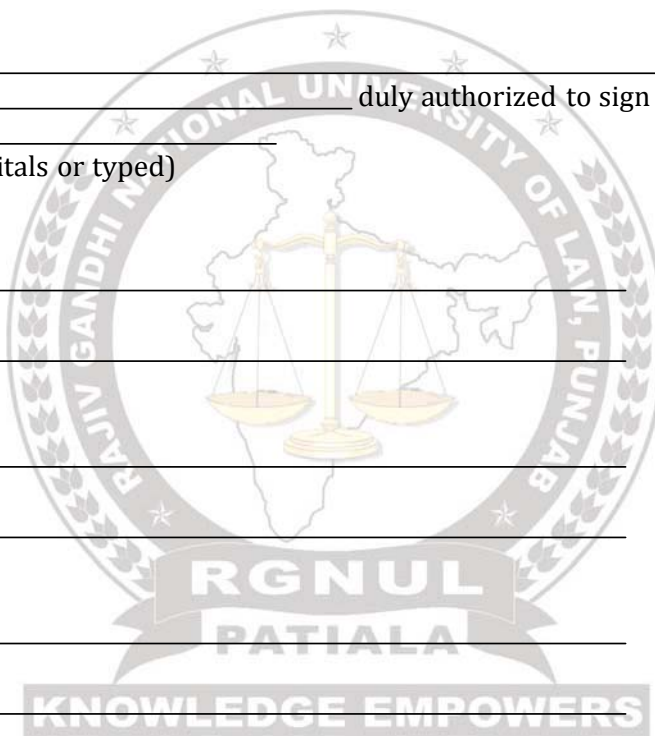
\_\_\_\_\_  
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Address

\_\_\_\_\_  
\_\_\_\_\_

Occupation

\_\_\_\_\_



**Registrar, RGNUL**