

Price Bid Of Short Urgent Tender -IGIMS/EW/E-Tender /124/2017					
Name of the work-Electrical lighting and Air conditioning work of ground floor east side trauma centre at IGIMS Patna- 14					
Estimated cost ₹					6,965,270.00
Earnest Money Deosit₹					139,310.00
Cost of B.O.Q.₹					10,000.00
Time of completion in days					45 days
Last day for submitting and uploading Tecnical and price bids on e portal www.eproc.bihar.gov.in					01/09/2017 up to 16.30 hrs
Last day for submitting hard copy of Technical & Price bids in Director's office					02/09/2017 up to 12.30 hrs
Date and place of opening the Technical Bid on www.eproc.bihar.gov.in					04/09/2017 at 15.30 hrs
Date and place of opening thePrice Bid on www.eproc.bihar.gov.in					As per NIT
Note :- Bidders are requested to quote their minimum % rate above or below or at estimated rate for following Schedule items and Item wise rate for following Non-schedule Item Considirring applicable taxes(GST. Etc)					
Sr.No	Schedule Items	Unit	Qty	rate	Total amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
a	Group -C	Point	44.00	675.00	29,700.00
2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required				-
a)	2 x 2.5 sq.mm. + 1 x 2.5 sq.mm. earth wire	Meter	145.00	150.00	21,750.00
b)	4 x 16 sq.mm + 1x 16 sq.mm earth wire	Meter	102.00	1060.00	108,120.00
3	Supplying and fixing following way horizontal type three pole and neutral, sheet steel MCB distribution board 415 volts on surface / recess complete with tinned copper bus bar neutral bus bar , earth bar , din bar interconnections , powder painted including earthing etc as required. (but without MCB/RCCB/Isolator)				-
a)	4 way (4 + 12), Double door , horizontal type	Each	1.00	2971.00	2,971.00
4	Supplying and fixing following rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				-
a)	6/32 Amps Single Pole	Each	16.00	208.00	3,328.00
b)	50 /63 AmpsTriple pole and neutral	Each	1.00	1804.00	1,804.00
5	Supplying and Fixing indoor recess moubnting 36 watt LED flat panel light luminaire suitable for armstrong / grid ceiling and complete with electronic driven etc. Directly on false ceiling including connection with 1.5 sq mmFR PVC insulated copper conductor cable and earthing the body etc. as required.	Each	44.00	5581.00	245,564.00
6	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	Each	4.00	4191.00	16,764.00
7	Providing and fixing 25 mm X 5mm G.I Strip on surface or in recess for connection etc as required	meter	210.00	141.00	29,610.00
8	3.5 core 240 sq mm XLPE/PVC insulated PVC sheathhead (heavy duty) armoured electrical cable with aluminium conductor.	meter	271.00	1529.00	414,359.00
9	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
a)	Above 185 sq. mm and upto 400 sq. mm	Meter	271.00	174.00	47,154.00
10	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				-
a)	3½ X240 sq. mm (62mm)	Each	2.00	989.00	1,978.00
11	Supply of 3.5 core 120 sq mm XLPE/PVC insulated PVC sheathhead (heavy duty) armoured electrical cable with aluminium conductor.	Meter	70.00	822.00	57,540.00

Sr.No	Schedule Items	Unit	Qty	rate	Total amount
12	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required				-
a)	Above 95 sq. mm and upto 185 sq. mm (clamped with 40x3mm MS flat clamp)	Meter	70.00	64.00	4,480.00
13	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				-
a)	3½ X 120 sq. mm (82mm)	Each	2.00	500.00	1,000.00
14	Providing and fixing following capacity Bus bar chamber with 4 strips of suitable size made of copper heavy duty complete with all accessories including connection earthing the body etc. as required.				-
a)	200 Amps	Nos	1.00	6360.00	6,360.00
15	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 / aneling, 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) :For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	kg	118.00	354.80	41,866.40
Schedule Amount					1,034,348.40
I/we offer in Figures..... in words..... % (Percentage) High / Less/Estimated rate on schedule items which is as mentioned above.				In figure	
				In words	
High/Low /as per estimated schedule items					
Non -Schedule Item		unit	Qty,	rate quoted by bidder	amount
a)	Supply and installation of VRV IV/ VRV iv Plus, outdoor unit, 3 phase 4 wire, 380-415v 50 HZ, cooling/heating capacity-77000/86900 kcal/hr with 3 nos hermetically sealed scroll type inverter driven compressor, Air flow 178+268 cubic meter/Minute (DAIKIN /Carrier/ O General/York/Trend or equivalent brand)	Each	2		-
2	Supply, installation of ceiling mounted duct type VRV indoor unit single phase 220 - 240 volt 50 Hz				-
a)	Cooling/Heating capacity 24100/27100Kcal/h, Air Flow 72/62 cubic meter/min, (DAIKIN/Carrier/ O-General/York/Trend or Equivalent brand)	Each	6		-
3	Supply and fixing Copper Refrigerant piping with proper supports/hangers from ceiling/wall as required at site & approved by consultant & duly insulated with closed cell elastomeric nitrile insulation of 13mm thickness upto 22.4 mm OD & above 19mm OD for various sizes are as follows:				-
a)	41.3 mm dia (insulation 19mm thick)	meter	48.00		-
b)	34.9 mm dia (insulation 19mm thick)	meter	46.00		-
c)	28.6 mm dia (insulation 19mm thick)	meter	18.00		-
d)	22.2 mm dia (insulation 13mm thick)	meter	20.00		-
e)	19.1 mm dia (insulation 13mm thick)	meter	18.00		-
f)	15.9 mm dia (insulation 13mm thick)	meter	22.00		-
g)	12.7 mm dia (insulation 13mm thick)	meter	20.00		-
h)	9.5 mm dia (insulation 13mm thick)	meter	12.00		-
4	Supply and installation of GI Duct				-
a)	22 Gauge CRCA Galvanised metal sheet	Sq. meter	85.00		-
b)	24 Gauge CRCA Galvanised metal sheet	Sq. meter	95.00		-
5	Supply and pasting/fixing Thermal Insulation of 9 mm on out side of ducts with Nitrile Rubber along with outer side Aluminium foil.	Sq. meter	180.00		-
6	Supply and fixing M.S Structure for installing VRV outdoor units duly painted.	Each	4.00		-

Sr.No	Schedule Items	Unit	Qty	rate	Total amount
7	Supply and fixing Acoustic lining inside the Ductsof suitable reputed make(K flex) duct liner having Sound absorbtion 1.08 at 500 hz	Sq.meter	25.00		-
8	Supply, installation, testing & commissioning of control cum transmission wiring of 2C x 1.5 Sqmm copper in suitable PVC conduits for interconnection between IDUs & ODU's.	meter	105.00		-
9	Supply and fixing ofRigid PVC Drain Pipe with fittings ,proper supports at 5 feet interval and duly insulated with 6 mm thick closed cell nitrile rubber insulation.				-
a)	32 mm dia	meter	45.00		-
b)	25 mm dia	meter	43.00		-
10	Supply and fixing of aluminium powder coated grill 6" as required	Sq.meter	29.00		-
11	Supply and fixing of aluminium powder coated diffuser with VCD dumper 18"x18"as required	Sq.meter	25.00		-
12	Supply and installation of Drain pump 300 watts, 220 volts	Each	6.00		-
13	Topping up of additional Refrigerant (R-410A)	Kg.	55.00		-
14	Testing and commissioning of complete VRV system including all indoor units,outdoor units,electricals,remotes etc including pressure testing with nitrogen & vaccumasation etc as required.	LOT	1.00		-
15	Supply installation and commissioning of automatic 3 phase sequence corrector unit with ABB CM-MPN monitoring Relay connected to reversing contactor of normal 440 volt 250 Amp 50 HZ with protection for phase reversal,phase loss,independently adjustable under and over voltage thresholds and LED indication for under voltage/over voltage Phase sequence normal,phase sequence reverse etc. as required	Each	2.00		-
16	voltage Range 300v-460v Ac 3phase 50hz, Output voltage 3 phase 415 Ac system unbalanced 4 wire:R Y B N connection star operating Frequency 47hz To 53hz, output voltage regulation +/-1%(no load),+/-1%(Full Load)Over load capacity 120% correction Rate 60v/second -3 phase waveform Distortion nil output waveform true reproduction of input insulation class 'F' short ckt period & percentage 300% for 250 mili Sec,normal operation Temperature 0 To 45 degree centigrade, mode of system- fully automatic ,System Construcation-- IS :9815-1994. Protection-Single phasing prevention, Phase reversal, Output low voltage, Output high voltage, Input short circuit, and overload (with MCB), Audio Alarm for operation of protection. Indication : 3 LED Input indication, Phase reversal , Overload, Indication in LCD display- Input high /low, output high/low cut off, output on indication, Metering on LCD display: 3 Ph Input and out puut Voltage Ph to ph and ph to neutral, frequency, Output current each phase, Programmable control: Display scrolling - Auto /Manual, Start /Stop button, Menu/Start/Stop/reset/log button , Data log : Last 100 fault events	Each	2.00		-
17	Supply and fixing of heat reclaim ventilator without DX coil and humidifier Air flow rate at ultra high 500 cubic meter/hour and temp exchange efficiency 74/74 ultra high (DAIKIN -VAM 500 GJVE or equivalent)	Each	2.00		-
18	Supplying fixing and construction of Trap door by 4 mm thick Aluminium composite compound structure for VRV indoors	Square meter	98.00		-
Total Non Schedule Items (Rs.)					□ 0.00
Name and Address of the Bidder:					