SPECIAL CONDITION

1. Tenders not complete as per requirements will be our right to rejected and their tender will not be considered.
2. The tenders are required to quote no item wise but overall on percentage basis I.e. above or below estimated rates/B.O.Q rates.
3. Rates quoted less more than 10% of schedule rate cost shall out right be rejected.
4. The undersigned reserves the right to divide the tender among more than one tenders and to reject may or all the tenders without assigning any reason there of.
5. Tenderers shall quote their rates both in figures and words and should initial all correction, over writings, incorporations, undefined form like estimated rates will not be considered.
6. The rates quoted by the contractors should be inclusive all taxes. Royalties and other incidental charges.
7. The contractor should quote in their tender:-
   a) The plants and Machinery they possess execution of works.'
   b) Experience they have with detail of works and its position.
   c) Certificate, if any, about the capacity of doing works.
   d) Technical staff, if they possess.
8. The contractors should satisfy them selves fully about the nature and site of works before offering their tenders and plent of any ignorance after works shall not be considered.
9. The tender without earnest money or insufficient earnest money or submitted late or earnest money without duly pledged as required will be out right rejected.
10. Contractors are required to furnish up to date clearance certificate in respect of I.T and S.T along with their tender, In absence of those documents within ten days from the days from the date of requisition in a registered letter with A/D failing which their tenders shall be outright rejected and their earnest money furnished with the tenders shall be forfeited.
11. Conditional tenders shall be outright rejected.
12. After approval of rated by the competent authority the contractor shall have to deposit the initial security money @ 5% of B.O.Q cost in shape of N.S.C dully pledged in favour of undersigned within 10 days of issue of the written orders from the engineer-in-charge and agreement, failing which his tender shall he reject and earnest money forfeited.
13. No claim for delay in work due to shortage of labour, non supply of materials, drawing & design and/ or any other reason shall not be entertained.
14. The contractors shall arrange necessary site for accommodation and after facilities like medical, aid etc. for his own cost and initiative as well as with labour rules prevalent in the salacity.
15. The contractor shall be responsible for safety of his labour or other staff and the damages shall be recovered at his own cost.
16. The CPWD specification ISS specification shall be followed during the progress of the work in case of difference of opinion in any of them the directions of the Engineer-in-charge have to be followed.
17. No claim shall be entertained due to fluctuation in rates of labour and materials at any time till completion of the work.
18. Materials recoverable or non-recoverable direct issued to work shall be issued to the contractor in proper/R. If materials are obtained in express of natural requirement the recovery of the cost of such materials will be made at double the issue rates stipulated in the agreement.
19. The contractor employing truck for carriage of materials of other work shall comply the rules of motor vehicle etc.
20. It will be obligatory on the part of the tender to keep the Tender open for a period as per C.P.W.D rule for acceptances.
21. The contractor shall not be entitles to claim or compensating for any loss suffered by him due to:-
   a) Natural claim item.
   b) Act or enemy.
   c) Transport and procurement difficulties.
   d) Circumstances beyond the control of the University.
22. Site order book with numbered pages and bearing the certificates of the need by the contractor at the site of work will have to be produce, if the engineer-in-charge or inspecting officer desire for instruction. Concerning the work to not entered. This shall be property of the university after completion of work.
23. No work beyond agreement shall be expected by the contractor unless specifically ordered by the engineer-in-charge in writing and the claim for such work shall be submitted regularly in every month. If the claim is no received in the month in which it relates it will be treated as barred any may be disallowed.
24. Income Tax @ 2.27% or as per govt. rule to be deducted from each payment at sources which will be adjusted by income tax department at the time of assessment in case of contract.
25. Sales Tax/GST shall be deducted from each bill as per rules.
26. Labour cess Tax @ 1% shall be deducted from each bill as per rules.
27. Contractors shall have to furnish payment certificate or mining taxes of materials consumed in the work otherwise deduction towards royalty and cess shall be made as per rules.
28. Deduction of five percent of the gross amount of the bill will be deducted from their running bills so as to make the total security deposit @ ten percent of the cost of work. No part of these security deposit shall be refunded until the work is fully completed and the final bill disposed or fifty percent of the amount of security deposit shall be released after three months of satisfactory performance during defect liability period of six months/ one rainy season from the date of completion of work.
29. Additional performance Guarantee have to deposit as per Govt. rule.
30. Payment will be made after work completion certificate obtained from requissioner and also availability of fund.
31. Work will not be allotted to those Contractors who could not execute agreement of awarded work and those contractors who could not complete the awarded work with in agreement time. Such Agencies shall the debarred from panel of ARC for a period of three years and Earnest Money will be forfeited.

20/6/22

कार्यपालक अभियन्ता (म०एवं आ०स०)
Executive Engineer (B&I)
रा०प्र०के०कृ०वि०, पूसा
R.P.C.A.U Pusa

a) Details of earnest Money deposited:-

b) Registration No. :-
(Certified copy to be enclosed)

c) Income Tax & GST Clearance Certificates:-

d) License Issued by the labour Deptt. :-

e) Detailed of documents attached:-

f) Name and address of the Contractor:-

g) Signature of tenderers:-

I/We as per the execute the work at :-

I. Estimated/Analysis rates shown in the Bill of Quantities.

II. (i) In word _____Percent above the rates show in the bill of quantities.

(ii) In figure _____Percent above the rates shown in the bill of quantities.

III. (a) In word _____ Percent below the rates shown in the bill of quantities.

(b) In figure _____Percent below the rates shown in the bill quantities.

I/we will completed the work within _____calendar months from the date of work order.

I/we have read and fully understood the terms and condition of the state (P.W.D) contract from F2 and the N.I.T and special condition attached herewith.

Name & full signature of the Tenderer

20/6/22

कार्यपालक अभियन्ता (भ०एवं आ०सं०)
Executive Engineer (B&I)
Dr. RPCAU Pusa
रा०प्र०कृ०वि०, पूसा
R.P.C.A.U Pusa

i. No. of Cutting .....

ii. No. of over writing .....

iii. Rate quoted by agency.....

Executive Engineer (B&I)
Dr. RPCAU Pusa

Group – (1)

BILL OF QUANTITY

Name of work	Internal Electrical Installation in New Hostel (West Side) at DRPCAU, Pusa		
Estimated Cost	Rs.1,66,671.00	Sold to M/S	
Earnest Money	Rs.4,000.00	Address:	
Cost of B.O.Q	Rs.500.00	Registration No.	
Time of Completion	One month	M.R/D.D.No.	date

S.N.	Items of work	Quantity	Unit	Rate	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 piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
	Group-A	25 Nos.	Each	694.00	
	Group-B	14 Nos.	Each	759.00	
	Group-C	07 Nos.	Each	966.00	
2.	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	2x1.5 Sq.mm + 1x1.5 Sq.mm earth wire	05 M	Per M	146.00	
	2x2.5 Sq.mm + 1x2.5 Sq.mm earth wire	225 M	Per M	167.00	
	2x4.0 Sq.mm + 1x4.0 Sq.mm earth wire.	100 M	Per M	200.00	
3.	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connections etc. as reqd.				
	5/6 A switch	35 Nos.	Each	45.00	
	3 pin 5/6 A Socket outlet	35 Nos.	Each	58.00	
	15/16 Amp. Switch	21 Nos.	Each	110.00	
	16/16 Amp. Swocket	21 Nos.	Each	128.00	
4.	Supplying and fixing 3 pin 5 A ceiling rose on the existing junction box/wooden block including connections etc. as reqd.	16 Nos.	Each	65.00	
5.	Supplying and fixing brass batten/angle holder including connection etc. as required.	30 Nos.	Each	117.00	
6.	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 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 (Bud without MCB/ RRCB/Isolator)				
	6 way, Double door	07 No.	Each	1661.00	
7.	Supplying & fixing 5 A to 32 A rating,240/415,10KA, "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.				
	Single Pole	14 Nos.	Each	199.00	
	Single Pole & Neutral	07 Nos.	Each	556.00	
8.	Providing and fixing following capacity double pole/TP&N sheet metal switch disconnect or fuse unit in existing metal board with rewire able type fuse, including drilling holes in metal board, making connections, etc. as reqd.				
	63 Amps, TP&N	01 No.	Each	5225.00	
9.	Providing and fixing following Capacity busbar chamber with 4 strips of suitable size made of copper heavy duty complete with all accessories including connections, earthing the body etc. as reqd.				
	63 Amps.	01 No.	Each	3161.00	
10.	Supplying, fitting and fixing of Step fan regulator in the existing board connection etc as required.	07 Nos.	Each	310.00	

S.N.	Items of work	Quantity	Unit		Amount
11.	Earthing with Chemical earthhing including accessories, and providing masonry enclosure with cover plate having locking arrangement and earthing electrode of 2.7 meter long etc with charcoal/koke and salt as required.	01 Set	Set	11794.00	
12.	Providing and Laying Earth connection from earth electrode with 4.00 mm copper wire 15 mm dia GI/PVC Pipe from earth electrode including earth connection with copper thimble excavation and re-filing as required.	25Mtr.	Per M	257.00	
13.	Supplying and laying XLPE/PVC insulated PVC sheated (Heavy Duty) armoured electrical cable with aluminium conductor wfor working voltage upto and including 1100 volts conforms to IS : 1554, part-1				
	16 Sq.mm, 4.00 core	30 Mtr.	Per M	295.00	
14.	S/F/F of 30 watt LED light including connections etc. as reqd. on the existing board.	01 No.	Each	3495.00	
15.	S/F/F of PVC Boards.				
	4"X5"	21 Nos.	Each	50.00	

20/6/22

Executive Engineer (B & I)
DR.PCAU,Pusa

कार्यपालक अभियन्ता (भ०एवं आ०स०)
Executive Engineer (B&I)
रा०प्र०के०कृ०वि०, पूसा
R.P.C.A.U Pusa

Group - (2)

Bill of Quantity

Name of work	**New Connection of Water supply in Kisan Vidyapeeth at Dr. R.P.C.A.U Pusa**		
Estimated Cost	Rs: 1,74,115.00	Sold to :	
Earnest Money	Rs: 4000.00	Address :	
Cost of B.O.Q	Rs: 500.00	D.D.No. :	
Time of Completion	One Month	M. R. No.	

Sl. No.	Description of work	Quantity	Unit	Rate (Rs.)	Amount (RS.)
1	2	3	4	5	6 (3×5)
1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, havingthermal stability for hot & cold water supply including all CPVC plain &brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.				
	40mm	201.30	Meter	559.20	
	25mm	108.50	Meter	370.65	
2	Cosntruction brick masonry chamber for underground C.I. inspection chamber and bend with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610mm internal dimensions, all complete.	1.00	Each	10102.50	
3	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) **Ball Valve**, havingthermal stability for hot & cold water supply including all CPVC plain &brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching 40mm	3.00	Each	1200.00	
4	Providing and fixing Brass Ball Cock. This includes jointing of pipes & fittings with one step CPVC solvent cement & testing of joints complete as per direction of Engineer in charge.	7.00	Each	1090.00	
				Total :	

28/6/22

कार्यपालक अभियन्ता (म०एव आ०स०)
Executive Engineer (B&I)
रा०प्र०के०कृ०वि०, पूसा
R.P.C.A.U Pusa

Bill of Quantity

Group - (3)

Name of work	**New Connection of Water supply in SRI Campus at Dr. R.P.C.A.U Pusa**		
Estimated Cost	Rs: 1,68,839.00	Sold to :	
Earnest Money	Rs: 3500.00	Address :	
Cost of B.O.Q	Rs: 500.00	D.D.No.:	
Time of Completion	Fifteen Days	M. R. No.	

Sl. No.	Description of work	Quantity	Unit	Rate (Rs.)	Amount (RS.)
1	2	3	4	5	6 (3×5)
1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, havingthermal stability for hot & cold water supply including all CPVC plain &brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.				
	50mm	161.30	Meter	811.85	
2	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1cement : 5 coarse sand (Zone III) : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design: Inside dimensions 500x700mm and 45cm deep for pipe line with one or two inlets : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	3.00	Each	10102.50	
3	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) **Ball Valve/gate valve**, havingthermal stability for hot & cold water supply including all CPVC plain &brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching 40mm	3.00	Each	1800.00	
4	Providing and fixing Brass Ball Cock. This includes jointing of pipes & fittings with one step CPVC solvent cement & testing of joints complete as per direction of Engineer in charge.	2.00	Each	1090.00	
				Total :	

20/6/22

कार्यपालक अभियन्ता (भ०एव आ०स०)
Executive Engineer (B&I)
रा०प्र०के०कृ०वि०, पूसा
R.P.C.A.U. Pusa

Groups - (4)

BILL OF QUANTITY

Name of work	Internal Electrical Installation in Qtr. No. OC_2-34 and New D.Type-73 at DRPCAU, Pusa	
Estimated Cost	Rs.1,23,350.00	Sold to M/S
Earnest Money	Rs.2,500.00	Address:
Cost of B.O.Q	Rs.500.00	Registration No.
Time of Completion	One month	M.R/D.D.No. date

S.N.	Items of work	Quantity	Unit	Rate	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 piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
	Group-A	18 Nos.	Each	694.00	
	Group-B	19 Nos.	Each	759.00	
	Group-C	09 Nos.	Each	966.00	
2.	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	2x2.5 Sq.mm + 1x2.5 Sq.mm earth wire	285 M	Per M	167.00	
	2x4.0 Sq.mm + 1x4.0 Sq.mm earth wire.	04 M	Per M	200.00	
3.	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connections etc. as reqd.				
	5/6 A switch	24 Nos.	Each	45.00	
	3 pin 5/6 A Socket outlet	24 Nos.	Each	58.00	
	15/16 Amp. Switch	10 Nos.	Each	110.00	
	16/16 Amp. Swocket	10 Nos.	Each	128.00	
4.	Supplying and fixing 3 pin 5 A ceiling rose on the existing junction box/wooden block including connections etc. as reqd.	18 Nos.	Each	65.00	
5.	Supplying and fixing brass batten/angle holder including connection etc. as required.	29 Nos.	Each	117.00	
6.	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 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 (Bud without MCB/ RRCB/Isolator)				
	12 way, Double door	02 No.	Each	2053.00	
7.	Supplying & fixing 5 A to 32 A rating,240/415,10KA, "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.				
	Single Pol	20 Nos.	Each	199.00	
	Single Pole & Neutral	02 Nos.	Each	544.00	
8.	Earthing with G.I earth pipe 4.5 meter 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.	02 Set	Per Set	5308.00	
9.	Providing and Laying Earth connection from earth electrode with 4.00 mm copper wire 15 mm dia GI/PVC Pipe from earth electrode including earth connection with copper thimble excavation and re-filing as required.	25 M	Per M	257.00	
10.	Supplying, fitting and fixing of Step fan regulator in the existing board connection etc as required.	08 Nos.	Each	310.00	
11.	S/F/F of PVC Boards.				
	7"x4"	08 Nos.	Each	60.00	
	4"X5"	11 Nos.	Each	50.00	
	4"X4"	04 Nos.	Each	40.00	

20/6/22

Executive Engineer (B & I)
DRPCAU, PUSA

कार्यपालक अभियन्ता (भ एवं अ)
Executive Engineer (B&I)
रापप्रकेकृविव, पूसा
R.P.C.A.U Pusa

Group - (5)

BILL OF QUANTITY

1. Name of work :-Renovation of Lab cum farmer training centre at Kalyanpur farm under DRPCAU,Pusa.

2. Estimated cost:- Rs 1,92,369.00 Sold to:

3. Earnest Money:- Rs4000.00 Adress:

4. Cost of B.O.Q :- Rs. 500.00 Reg. No.

5. Time of completion :- one month M.R No.

Sl. No.	Discription	Qnty.	Unit	Rate	Amount
1	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	0.47	cum	1698.45	
2	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	564.33	sqm	16.35	
3	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :	0.27	cum	8288.35	
4	15mm cement plaster of mix 1:6	63.44	sqm	339.7	
5	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	564.33	sqm	123.85	
6	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade : inner surface	367.16	sqm	137.85	
7	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:(Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	197.17	sqm	162.35	
8	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :	45.95	sqm	131.45	

कार्यपालक अभियन्ता (भ०एव आ०से०)
Executive Engineer (B&I)
रा०प्र०के०कृ०वि०, पूसा
R.P.C.A.U Pusa

Group - (6)

BILL OF QUANTITY

1. Name of work :-Conversion of shed into Kitchen at Kalyanpur at Kalyanpur farm under DRPCAU,Pusa.

2. Estimated cost:- Rs 1,24,813.00 Sold to:

3. Earnest Money:- Rs.2500.00 Adress:

4. Cost of B.O.Q :- Rs. 500.00 Reg. No.

5. Time of completion :- one month M.R No.

Sl. No.	Discription	Qnty.	Unit	Rate	Amount
1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : C.M 1:6	3.94	cum	8288.35	
2	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural	0.29	cum	10719.3	
3	Centering and shuttering including removal of prop etc	3.95	sqm	766.55	
4	Steel requirement for R.C.C work	0.023	MT	89650	
5	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.	4.37	sqm	4781.15	
6	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	47.77	Kg	114.65	
7	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	99.73	sqm	16.35	
8	12mm cement plaster of mix 1:6	47.14	sqm	282	
9	12mm cement plaster with a coat of neat cement puning all complete.	3.95	sqm	361.3	
10	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	146.88	sqm	123.85	
11	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade : inner surface	146.88	sqm	137.85	
12	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :	21.29	sqm	131.45	

10/6/22

कार्यपालक अभियन्ता (भ०एवं आ०स०)
Executive Engineer (B&I)
रा०प्र०के०कृ०वि०, पूसा
R.P.C.A.U Pusa

Group - (7)

Name of work	Renovation of qtr no E-2,36(one room set) UNDER DR RPCAU PUSA				
Estimated cost	Rs: 1,35,307.00	SOLD TO			
Earnest money	Rs: 2800.00	ADDRESS			
cost of Boq	Rs: 500.00	DD NO			
time of completion	One Month	RS			

Item No.	Description of Item	Qnty.	Unit	Rate	Amount
1	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete .	153.16	sqm	14.20	
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	48.80	sqm	39.00	
3	Repairs to plaster of thickness 12 mm to 20 mm in patches of area2.5 sq.meters and under, including cutting the patch in proper shape,raking out joints and preparing and plastering the surface of the wallscomplete, including disposal of rubbish to the dumping ground, allcomplete as per direction of Engineer-in-ChargeWith cement mortar 1:4 (1cement: 4 coarse sand)	49.73	sqm	429.60	
4	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	153.16	sqm	115.15	
5	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : Two or more coats on new work	153.16	sqm	128.65	
6	Dismantling doors, windows and clerestory windows (steel or wood)shutter including chowkhats, architrave, holdfasts etc. complete andstacking within 50 metres lead	2.00	each	274.50	
7	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3 mm M.S. gusset plates at the junctions and corners,all necessary fittings complete, including applying a priming coat ofapproved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces	3.63	sqm	4428.15	
8	Reinforced cement concrete work in beams, suspended floors, roofs havingslope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plainwindow sills, staircases and spiral stair cases above plinth level up tofloor five level, excluding the cost of centering,shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	0.08	cum	7296.00	
9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more	4.50	kg	83.50	
10	Centering and shuttering including strutting, propping etc. and removal of form for :Shelves (Cast in situ)	1.11	sqm	693.05	
11	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 gradedstone aggregate) finished with a floating coat of neat cement, includingcement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	35.14	sqm	498.35	
12	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes,having thermal stability for hot & cold water supply, including allCPVC plain & brass threaded fittings, including fixing the pipe withclamps at 1.00 m spacing. This includes jointing of pipes & fittingswith one step CPVC solvent cement and testing of joints completeas per direction of Engineer in Charge.	7.00	M	306.92	

13	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink asper IS:13983 with C.I. brackets and stainless steel plug 40 mm,including painting of fittings and brackets, cutting and making goodthe walls wherever required610x460 mm bowl depth 200 mm	1.00	EACH	2828.75	
14	Providing and fixing C.P. brass bib cock of approved quality conformingto IS:8931 : 15 mm nominal bore	2.00	EACH	418.95	
15	s/f/f colour coated roof sheet with min thickness 0.45 including j and l hook all complete job	14.70	sqm	1064.00	
16	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	14.87	sqm	130.25	
17	Brick work with common burnt clay F.P.S. (non modular) bricks of classdesignation 7.5 in superstructure above plinth level up to floor V level inall shapes and sizes in :Cement mortar 1:6 (1 cement : 6 coarse sand)	0.25	cum	7590.45	
18	Providing and fixing T-iron frames for doors, windows and ventilators ofmild steel Tee-sections, joints mitred and welded, including fixing ofnecessary butt hinges and screws and applying a priming coat ofapproved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cementconcrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	66.37	KG	106.45	
19	LABOUR charge for re arrange C A SHEET	2.00	UNIT	500.00	
20	Supplying fitting & fixing colour coated ridge for roof all complete job as per direction of E/I.	3.00	M	**1103.00**	

20/6/22

कार्यपालक अभियन्ता (भ०एवं आ०स०)
Executive Engineer (B&I)
रा०प्र०के०कृ०वि०, पूसा
R.P.C.A.U Pusa

Group - (8)

Bill of quantity						
Name of work	CONSTRUCTION OF TOILET NEAR RIVER FRONT CAFÉ AT GORAIGHAT					
Estimated cost	Rs: 1,35,114.00	Sold To				
Earnest Money	Rs: 2800.00	Address				
Cost of Boq	Rs: 500.00	D.D.No.:				
time of completion	One Month	Rs:				
Sl. No	**Description**	**quantity**	**unit**	**rate**	**amount**	
	1	2.00	3.00	4.00	2*4	
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	6.83	cum	252.30		
2	Providing designation 100 A one brick flat soiling including filling joints with local sand all taxex and royalty all complete	11.56	sqm	348.82		
3	supply and filling in plinth with local sand	1.30	cum	410.00		
4	Providing and laying in reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level	1.67	cum	7296.25		
5	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more	131.10	kg	82.10		
6	Centering and shuttering including strutting, propping etc. and removal of form for :Shelves (Cast in situ)	7.80	sqm	693.05		
7	BRICK WORK COMMON BURNT CLAY FPS BRICKS OF CLASS 7.5 IN SUPERSTRUCTURE ABOVE PLINTH LEVEL	2.26		7590.45		
8/	MS ANGLE 50*50*5MM	232.65	kg	132.25		
9	s/f/f colour coated roof sheet with min thickness 0.45 including j and l hook all complete job	22.83	sqm	1064.00		
10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)					

11	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 gradedstone aggregate) finished with a floating coat of neat cement, includingcement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	2.88	sqm	498.35	
12	12mm cement plaster 1:3 with cement punning	5.30	sqm	340.85	
13	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	2.00	nos	5421.50	
14	Construction of septic tank of precast rcc ring with 0.9m dia up to 1.8m depth including excavation and carriage of ring all complete	1.00	nos	10000.00	
15	Providing and fixing on wall face unplasticised Rigid PVC rain waterpipes conforming to IS : 13592 Type A, including jointing with sealring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
	110mm	5.00	m	305.05	

20/6/22

Executive Engineer
DRPCAU, Pusa

कार्यपालक अभियन्ता (राप्रकें कृ वि०)
Executive Engineer (B&I)
राप्रकेंकृविं, पूसा
R.P.C.A.U Pusa

Bill of Quantity

Group -(9)

Name of work	**Repairing of non functional street light fitting from central bank chowk to rice filed BSEB road & New building of Kisan Vidyapeeth road in the premises at Dr. R.P.C.A.U Pusa**		
Estimated Cost	Rs: 1,20,447.00	Sold to :	
Earnest Money	Rs: 2500.00	Address :	
Cost of B.O.Q	Rs: 500.00	D.D.No.:	
Time of Completion	Fifteen Days	M. R. No.	

Sl. No.	Description of work	Quantity	Unit	Rate (Rs.)	Amount (RS.)
1	2	3	4	5	6 (3×5)
1	Supplying of 3 core round cable 1.5 sqmm 1100 volt	05 Coil	Per coil	7257.00	
2	Supplying of MNX 9 Contractor including connection etc. as required. (make L&T)	02 Nos	Each	814.00	
3	Supplying of MNX 9 NVC 240V including connection etc. as required. (make L&T)	02 Nos	Each	437.00	
4	Supplying of L&T FM 1 tiem switch including connection etc. as required. (make L&T)	02 Nos	Each	2280.00	
5	Supplying of Driver for 90 watt LED street light (make jaguar)	10 Nos	Each	3750.00	
	Supplying of SPD for 90 watt LED street light (make jaguar)	60 Nos	Each	660.00	
				Total :	

20/6/22

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रा०प्र०के०कृ०वि०, पूसा
R.P.C.A.U Pusa

Group - (10)

BILL OF QUANTITY

Name of work :	Estimate for renovation of electric main panel in plant pathology department at DRPCAU, Pusa		
Estimated cost:	Rs.1,99,893.00	Sold to M/S	
Earnest Money:	Rs 4000.00	Address	
Cost of B.O.Q :	Rs 500.00	Registration No.	
Time of Completion	One Month	M.R.No.	date

S.N.	Items of work	Quantity	Rate	Unit	Amount
1.	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	4x16 Sq.mm + 2x6 Sq.mm earth wire	08 M	752.00	Per M	
2.	Providing and fixing following capacity busbar chamber with 4 strips of suitable size made of copper, heavy duty, complete with all accessories including connections, earthing the body etc as required.				
	200 amps	02 Nos.	9325.00	Each	
3.	Providing and fixing following capacity double pole/ TP&N sheet metal switch disconnector fuse unit in existing metal board with rewireable type fuses, including drilling holes in metal board, making connections, etc. as required.				
	200 amps, TP&N	02 Nos.	19882.00	Each	
	100 amps, TP&N	04 Nos.	11028.00	Each	
4.	Supplying and laying of XLPE/PVC insulated pvc sheathed (Heavy Duty) armored electrical cable with aluminum conductor for working voltage upto and including 1100 volts conforms to IS 1554, part-1 (make Havells)				
	95 sq.mm, 3.5 core	10 M	1112.00	Per M	
	70 sq.mm, 3.5 core	45 M	891.00	Per M	
5.	Providing and fixing following rating and braking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.				
	315A,35KA,TPMCCB	01 no.	21512.00	Each	
6.	S/F/F of 315, 35 KA TPMCCB box including connections, etc. as required.	01 no.	1495.00	Each	
7.	S/F/F of Thimble Copper including connection etc. as required.	45 no.	75.00	Each	
8.	Supplying and fixing wall mounted metal board of welded construction, fabricated with minium 35 mm x 35 mm x 6 mm angle iron frame work, with 25mm x 6mm flat iron as intermediate members including painting etc. as required.	04sq. M	3484.00	Per M	
9.	Providing and fixing M.V danger notice plate of 200 mm x 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	03 Nos.	106.00	Each	
10.	Dis melting of existing metal board in electric room	----	L.S	----	
11.	Recovery of dismelting materials	----	L.S	----	
			Total		

20/6/22

कार्यपालक अभियन्ता (भ०एवं आ०स०)
Executive Engineer (B&I)
रा०प्र०के०कृ०वि०, पूसा
R.P.C.A.U Pusa

Group - (11)

BILL OF QUANTITY

Name of work :	Internal Electrical Installation in different qrt. OC2- 3,4 & OC1/13 & 14 at DRPCAU Pusa.		
Estimated cost:	Rs. 1,14,751.00	Sold to M/S	
Earnest Money:	Rs. 2500.00	Address	
Cost of B.O.Q :	Rs. 500.00	Registration No.	
Time of Completion	One Month	M.R.No.	date

S.N	Items of work	Quantity	Unit	Rate	Amount
	Part- A (OC2/4)				
01.	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 piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
	Group-A	02 Nos.	Each	694.00	
	Group-C	04 Nos.	Each	966.00	
02.	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	2x2.5 Sq.mm + 1x2.5 Sq.mm earth wire	33 M	Per M	167.00	
03.	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connections etc. as reqd.				
	5/6 A Switch	01 Nos.	Each	45.00	
	3 pin 5/6 A Socket outlet	01 Nos.	Each	58.00	
	15/16 Amp. Switch	03 Nos.	Each	110.00	
	6 pin 15/16 Amp. Socket outlet	03 Nos.	Each	128.00	
04.	Supplying and fixing 3 pin 5 A ceiling rose on the existing junction box/wooden block including connections etc. as reqd.	02 Nos.	Each	65.00	
05.	Supplying and fixing brass batten/angle holder including connection etc. as required.	04 Nos.	Each	117.00	
06.	Supplying fitting and fixing of PVC Boards of different sized.				
	5"x4"	03 Nos.	Each	50.00	
	Part- A (OC2/3)				
07.	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 piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
	Group-A	06 Nos.	Each	694.00	
	Group-B	13 Nos.	Each	759.00	
	Group-C	05 Nos.	Each	966.00	
08.	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	2x2.5 Sq.mm + 1x2.5 Sq.mm earth wire	135 M	Per M	167.00	
	2x4.0 Sq.mm + 1x4.0 Sq.mm earth wire.	05 M	Per M	200.00	
09.	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connections etc. as reqd.				
	5/6 A Switch	07 Nos.	Each	45.00	
	3 pin 5/6 A Socket outlet	07 Nos.	Each	58.00	
	15/16 Amp. Switch	05 Nos.	Each	110.00	
	6 pin 15/16 Amp. Socket outlet	05 Nos.	Each	128.00	
10.	Supplying and fixing 3 pin 5 A ceiling rose on the existing junction box/wooden block including connections etc. as reqd.	06 Nos.	Each	65.00	
11.	Supplying and fixing brass batten/angle holder including connection etc. as required.	18 Nos.	Each	117.00	
12.	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 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 (Bud without				

	MCB/ RRCB/Isolator)				
	12 way, Double door	01 No.	Each	2053.00	
13.	Supplying & fixing 5 A to 32 A rating, 240/415.10KA, "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.				
	Single Pole	10 Nos.	Each	199.00	
	Single Pole & Neutral	01 No.	Each	544.00	
14.	Earthing with G.I earth pipe 4.5 meter long, 40 mm dia including accessories ,and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc.(but without charcoal/ coke and salt) as required.	01 No.	Each	5308.00	
15.	Providing and Laying Earth connection from earth electrode with 4.00 mm copper wire 15 mm dia GI/PVC Pipe from earth electrode including earth connection with copper thimble excavation and re-filing as required.	10 M	Per M	257.00	
16.	Supplying, fitting and fixing of Step fan regulator in the existing board connection etc as required.	03 Nos.	Each	310.00	
17.	Supplying fitting and fixing of PVC Boards of different sized.				
	7"x4"	04 Nos.	Each	60.00	
	4"x4"	01 Nos.	Each	50.00	
	Part- A (OC1/14)				
18.	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 piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
	Group-A	02 Nos.	Each	694.00	
	Group-B	01 Nos.	Each	759.00	
	Group-C	04 Nos.	Each	966.00	
19.	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	2x2.5 Sq.mm + 1x2.5 Sq.mm earth wire	33 M	Per M	167.00	
20.	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connections etc. as reqd.				
	5/6 A Switch	01 Nos.	Each	45.00	
	3 pin 5/6 A Socket outlet	01 Nos.	Each	58.00	
	15/16 Amp. Switch	03 Nos.	Each	110.00	
	6 pin 15/16 Amp. Socket outlet	03 Nos.	Each	128.00	
21.	Supplying and fixing 3 pin 5 A ceiling rose on the existing junction box/wooden block including connections etc. as reqd.	02 Nos.	Each	65.00	
22.	Supplying and fixing brass batten/angle holder including connection etc. as required.	04 Nos.	Each	117.00	
23.	Earthing with G.I earth pipe 4.5 meter long, 40 mm dia including accessories ,and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc.(but without charcoal/ coke and salt) as required.	01 Nos.	Each	5308.00	
24.	Providing and Laying Earth connection from earth electrode with 4.00 mm copper wire 15 mm dia GI/PVC Pipe from earth electrode including earth connection with copper thimble excavation and re-filing as required.	20 M	Per M	257.00	
25.	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 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 (Bud without MCB/ RRCB/Isolator)				
	12 way, Double door	01 No.	Each	2053.00	
26.	Supplying & fixing 5 A to 32 A rating, 240/415,10KA, "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.				
	Single Pole	10 Nos.	Each	199.00	
	Single Pole & Neutral	01 Nos.	Each	544.00	
27.	Providing and fixing following capacity double pole/ TP&N sheet metal switch disconnector fuse unit in existing metal board with rewireable type fuses, including drilling holes in metal board,				

	making connections, etc as required make havells, capital.				
	32 amps, double pole	01 Nos.	Each	1475.00	
28.	Supplying fitting and fixing of PVC Boards of different sized.				
	5"x4"	03 Nos.	Each	50.00	

	Part- A (OC1/13)				
29.	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 piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
	Group-A	02 Nos.	Each	694.00	
	Group-C	04 Nos.	Each	966.00	
30.	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	2x2.5 Sq.mm + 1x2.5 Sq.mm earth wire	33 M	Per M	167.00	
31.	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connections etc. as reqd.				
	5/6 A Switch	01 Nos.	Each	45.00	
	3 pin 5/6 A Socket outlet	01 Nos.	Each	58.00	
	15/16 Amp. Switch	03 Nos.	Each	110.00	
	6 pin 15/16 Amp. Socket outlet	03 Nos.	Each	128.00	
32.	Supplying and fixing 3 pin 5 A ceiling rose on the existing junction box/wooden block including connections etc. as reqd.	02 Nos.	Each	65.00	
33.	Supplying and fixing brass batten/angle holder including connection etc. as required.	04 Nos.	Each	117.00	
34.	Supplying fitting and fixing of PVC Boards of different sized.				
	5"x4"	03 Nos.	Each	50.00	

20/6/22

कार्यपालक अभियन्ता (भ०एवं आ०स०)
Executive Engineer (B&I)
रा०प्र०के०कृ०वि०, पूसा
R.P.C.A.U Pusa

Group -(12)

BILL OF QUANTITY					
Name of work	**Renovation of quarter no-EB NO 06/04 at under Dr. RPCAU Pusa**				
Estimated cost	Rs: 1,66,800.00	SOLD TO			
Earnest Money	Rs: 3400.00	ADDRESS			
Cost of Boq	Rs: 500.00	DD NO			
time of completion	One Month	RS			
Item No. & DSR 21 Ref.	**Description of Item**	**Qnty.**	**Unit**	**Rate**	**Amount**
2/15.2.1	Demolishing cement concrete manually/ by mechanical meansincluding disposal of material within 50 metres lead as per directionof Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent designmix	0.14	cum	2007.1	
3/4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	0.14	cum	7365.15	
4/13.88	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete .	461.29	SQM	16.35	
5/14.1.2	Repairs to plaster of thickness 12 mm to 20 mm in patches of area2.5 sq.meters and under, including cutting the patch in proper shape,raking out joints and preparing and plastering the surface of the wallscomplete, including disposal of rubbish to the dumping ground, allcomplete as per direction of Engineer-in-ChargeWith cement mortar 1:4 (1cement: 4 coarse sand)	46	sqm	478	
7/13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	80.70	SQM	123.85	
8/13.60	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : Two or more coats on new work	461.29	sqm	137.85	
9/13.48.2	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	111.02	sqm	144.9	
10/17.1.1	Providing and fixing water closet squatting pan indian type W.C .pan) with 100 mm sand cast Iron P or S trap, 10 litre low level whiteP.V.C. flushing cistern, including flush pipe, with manually controlleddevice (handle lever) conforming to IS : 7231, with all fittings andfixtures complete, including cutting and making good the walls andfloors wherever required: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	1	each	5781.35	
13/12.41.2	Providing and fixing on wall face unplasticised Rigid PVC rain waterpipes conforming to IS : 13592 Type A, including jointing with sealing conforming to IS : 5382, leaving 10 mm gap for thermal expansion,				
	toilet				
	110mm dia	5	M	319.75	

14/12.42	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conformingto IS : 13592 Type A, including jointing with seal ring conforming toIS : 5382, leaving 10 mm gap for thermal expansion				
	110MM Dia bend	3	each	132	
	110 mm dia T WITH DOOR	1	each	205.45	
15/12.43.2	Providing and fixing unplasticised -PVC pipe clips of approved designto unplasticised - PVC rain water pipes by means of 50x50x50 mmhard wood plugs, screwed with M.S. screws of required length,including cutting brick work and fixing in cement mortar 1:4 (1 cement: 4 coarse sand) and making good the wall etc. complete.				
		4	each	309.5	
16/18.8.2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes,having thermal stability for hot & cold water supply, including allCPVC plain & brass threaded fittings, including fixing the pipe withclamps at 1.00 m spacing. This includes jointing of pipes & fittingswith one step CPVC solvent cement and testing of joints completeas per direction of Engineer inCharge.				
	kit and bath				
	20 mm dia Pipes	5	m	513.75	
17/18.49.1	Providing and fixing C.P. brass bib cock of approved quality conformingto IS:8931 : 15 mm nominal bore	1	each	434.2	
18/18.16.2	Providing and fixing brass stop cock of approved quality 20 mm nominal bore each	1	each	327.95	
19/47.NS	S/F/F CP Brass shower rose of approved quality including taxes carriage etc all complete as per spec and direction ofE/I.	1	each	400	
21/21.1.1.1	Providing and fixing aluminium work for doors, windows, ventilatorsand partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved makeconforming to IS: 733 and IS: 1285, fixing with dash fasteners ofrequired dia and size, including necessary filling up the gaps atjunctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall besmooth, rust free,straight, mitred and jointed mechanically wherever required includingcleat angle, Aluminium snap beading for glazing paneling, C.P.brass / stainless steel screws, all complete as per architecturaldrawings and the directions of Engineer-in-charge. (Glazing, panelingand 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				
	7kg/sqm	18.69	kg	433.95	

22/21.3.1	Providing and fixing glazing in aluminium door, window, ventilator shuttersand partitions etc. with EPDM rubber / neoprene gasket etc. complete asper the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness (weight not less than 10 kg/ sqm)	2.67	sqm	1019.8	
24/18.NS	S/F/F Steel jali of diameter 150mm all complete as per specification and direction of E/L	3	each	90	
25/8.31	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except	2.10	sqm	1063.45	
26/11.39	Providing and laying rectified Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigments etc., complete.	1.00	sqm	1142.8	
27/ns	Refixing all doors and windows	5	nos	500	
29/13.48.3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	7.0975	sqm	140.05	
30/9.7.8	Fly proof stainless steel grade 304 wire gauge with 0.5 mm dia. wire and 1.4mm wide aperture with matching wood beading.	10.0675	sqm	1521.6	

20/6/22

कार्यपालक अभियन्ता (भ०एवं आ०स०)
Executive Engineer (B&I)
रा०प्र०के०कृ०वि०, पूसा
R.P.C.A.U Pusa

Group - (13)

BILL OF QUANTITY

Name of work :	Internal Electrical Installation in Surveying cum Drawing Lab under CAE at DRPCAU, Pusa		
Estimated cost:	Rs. 1,63,809.00	Sold to M/S	
Earnest Money:	Rs. 3400.00	Address	
Cost of B.O.Q :	Rs. 500.00	Registration No.	
Time of Completion	One Month	M.R.No.	date

S.N	Items of work	Quantity	Unit	Rate	Amount
01.	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 piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
	Group-A	10 Nos.	Each	694.00	
	Group-B	12 Nos.	Each	759.00	
	Group-C	13 Nos.	Each	966.00	
02.	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	2x2.5 Sq.mm + 1x2.5 Sq.mm earth wire.	160 M	Per M	167.00	
	2x4.0 Sq.mm + 1x4.0 Sq.mm earth wire.	35 M	Per M	200.00	
03.	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connections etc. as reqd.				
	5/6 A Switch	10 Nos.	Each	45.00	
	3 pin 5/6 A Socket outlet	10 Nos.	Each	58.00	
	15/16 Amp. Switch	06 Nos.	Each	110.00	
	16/16 Amp. Socket	06 Nos.	Each	128.00	
04.	Supplying and fixing 3 pin 5 A ceiling rose on the existing junction box/wooden block including connections etc. as reqd.	15 Nos.	Each	65.00	
05.	Supplying and fixing brass batten/angle holder including connection etc. as required.	20 Nos.	Each	117.00	
06.	Supplying and fixing of following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415V, 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)				
	6 way (4+18), Double door	01 No.	Each	3693.00	
07.	Supplying & fixing 5 A to 32 A rating, 240/415,10KA, "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.				
	Single Pole	12 Nos.	Each	199.00	
08.	Supplying and fixing following rating, 240 V, 'C' series, miniature ckt. Breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	63 Amp. TPN MCB.	01 Nos.	Each	2405.00	
09.	Providing and fixing following capacity 2 pole/ 4 pole OFF-load changeover switches with side handle operation, in sheet enclosure in existing metal board including drilling holes in metal board, making connection, earthing the body etc as required.				
	100 amps, 4 pole	01 No.	Each	13986.00	
10.	Providing and fixing following capacity double pole/ TP&N sheet metal switch disconnector fuse unit in existing metal board with rewireable type fuses, including drilling holes in metal board, making connections, etc. as required.				

	100 amps, TP&N	01 Nos.	Each	8390.00	
11.	Providing and fixing of Wall fan (400mm) including connection etc. as required. Bajaj/Havells/Crompton	02 Nos.	Each	3450.00	
12	Providing and fixing of Ceiling fan (1400mm) including connection etc. as required. Bajaj/Havells/Crompton	08 Nos	Each	2575.00	
13.	S/F/F of 30 Watts LED Street light fitting with clamp including connections etc as req. (Havells,Bajaj,Usha,Orpet)	01 Nos.	Each	3495.00	
14.	Providing and fixing of LED Tube light 20 watt including connection etc. as required Bajaj/Syska/Philips	10 Nos.	Each	506.00	
15.	Providing and fixing of 9 watt LED bulb including connection etc. as required. Syska/Philips	06 Nos.	Each	225.00	
16.	Chemical earthing with 15mm dia copper electrode of 10 feet length filled with chemical compound including accessories and providing masonry enclosure with cover plate having locking arrangement.	02 Nos.	Per set	11794.00	
17.	Providing and Laying Earth connection from earth electrode with 4.00 mm dia copper wire 15 mm dia GI Pipe from earth electrode including earth connection with copper thimble excavation and re-filing as required.	15 M	Per M	257.00	

20/6/22

कार्यपालक अभियन्ता (भ०एवं आ०स०)
Executive Engineer (B&I)
रा०प्र०के०कृ०वि०, पूसा
R.P.C.A.U Pusa

Group - (14)

BILL OF QUANTITY

Name of work :	Internal Electrical Installation in Tractor & Power lab under CAE at DRPCAU, Pusa		
Estimated cost:	Rs. 1,83,480.00	Sold to M/S	
Earnest Money:	Rs. 4000.00	Address	
Cost of B.O.Q :	Rs. 500.00	Registration No.	
Time of Completion	One Month	M.R.No.	date

S.N	Items of work	Quantity	Unit	Rate	Amount
01.	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 piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 Sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
	Group-A	10 Nos.	Each	694.00	
	Group-B	12 Nos.	Each	759.00	
	Group-C	13 Nos.	Each	966.00	
02.	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	2x2.5 Sq.mm + 1x2.5 Sq.mm earth wire.	160 M	Per M	167.00	
	2x4.0 Sq.mm + 1x4.0 Sq.mm earth wire.	35 M	Per M	200.00	
	4x4.0 Sq.mm + 2x4.0 Sq.mm earth wire.	30 M	Per M	308.00	
	4x6.0 Sq.mm + 2x6.0 Sq.mm earth wire.	35 M	Per M	394.00	
03.	Supplying and fixing following piano type switch/socket on the existing switch box/cover including connections etc. as reqd.				
	5/6 A Switch	10 Nos.	Each	45.00	
	3 pin 5/6 A Socket outlet	10 Nos.	Each	58.00	
	15/16 Amp. Switch	15 Nos.	Each	110.00	
	16/16 Amp. Socket	15 Nos.	Each	128.00	
04.	Supplying and fixing 3 pin 5 A ceiling rose on the existing junction box/wooden block including connections etc. as reqd.	15 Nos.	Each	65.00	
05.	Supplying and fixing brass batten/angle holder including connection etc. as required.	20 Nos.	Each	117.00	
06.	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 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/ RRCB/Isolator)				
	6 way, Double door	02 No.	Each	1661.00	
07.	Supplying and fixing of following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415V, 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)				
	6 way (4+18), Double door	02 No.	Each	3693.00	
08.	Supplying & fixing 5 A to 32 A rating, 240/415,10KA, "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.				
	Single Pole	12 Nos.	Each	199.00	
09.	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "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.				
	Triple pole and neutral	02 Nos.	Each	1092.00	

10.	Supplying and fixing following rating, 240 V, 'C' series, miniature ckt. Breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	63 Amp. TPN MCB.	02 Nos.	Each	2405.00	
11.	Providing and fixing following capacity 2 pole/ 4 pole OFF-load changeover switches with side handle operation, in sheet enclosure in existing metal board including drilling holes in metal board, making connection, earthing the body etc as required.				
	100 amps, 4 pole	01 No.	Each	13986.00	
12.	Providing and fixing following capacity double pole/ TP&N sheet metal switch disconnector fuse unit in existing metal board with rewireable type fuses, including drilling holes in metal board, making connections, etc. as required.				
	100 amps, TP&N	01 Nos.	Each	8390.00	
13.	Providing and fixing of Wall fan (400mm) including connection etc. as required. Bajaj/Havells/Crompton	02 Nos.	Each	3450.00	
14.	S/F/F of 30 Watts LED Street light fitting with clamp including connections etc as req. (Havells,Bajaj,Usha,Orpet)	02 Nos.	Each	3495.00	
15.	Providing and fixing of LED Tube light 20 watt including connection etc. as required Bajaj/Syska/Philips	10 Nos.	Each	506.00	
16.	Providing and fixing of 9 watt LED bulb including connection etc. as required. Syska/Philips	06 Nos.	Each	225.00	
17.	Chemical earthing with 15mm dia copper electrode of 10 feet length filled with chemical compound including accessories and providing masonry enclosure with cover plate having locking arrangement.	02 Nos.	Per set	11794.00	
18.	Providing and Laying Earth connection from earth electrode with 4.00 mm dia copper wire 15 mm dia GI Pipe from earth electrode including earth connection with copper thimble excavation and re-filing as required.	15 M	Per M	257.00	

27/6/22

कार्यपालक अभियन्ता (भ०एवं आ०स०)
Executive Engineer (B&I)
रा०प्र०के०कृ०वि०, पूसा
R.P.C.A.U Pusa