

**U.P. STATE CONSTRUCTION AND INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD.**

(A Govt. of U.P. Enterprises)

(AN ISO 9001:2000 certified Organisation)

Reg. Office : T.C. - 46 V, Vibhuti Khand, Gomti Nagar, Lucknow (U.P.)

Ph.No. 0522-2305877 Fax no:- 0522-2305877

Website: www.upsknn.org

FINANCIAL BID

FOR

**Repair of Pharmacy Department at
Medical college Allahabad**

(UTTAR PRADESH)

(VOLUME-II)

Name of :.....

Address:.....

.....

.....

.....

**U.P. State Construction and Infrastructure Development
Corporation Ltd.
Bill of Quantity**

Name of Work :- Repair of Pharmacy Department at Medical college Allahabad.

S.N.	Particulars	Amount(Rs.Lac)
1	Cost of Civil work	145.82
2	Cost of Electrical work	20.83
	Total	166.65
3.	Less 5 % as work done by Nigam	(-) 8.24
	Total	158.41

[Handwritten Signature]

J.E.

A.E.

E.E.

Rate offered by bidder (+) %
Above/below
In Word
In Figures

Rs.....Lacs

Net Amount
Rs.....

Signature of bidder

Detail of Measurements & Bill of Quantities

Name of work- Repairing & Renovation of Pharmacy Building.

S.N.	Name of work	No	L	B	H	Qty	Rate	Amount
1/706	Dismantling of existing plaster including disposal of refuse as directed by Engineer-in-charge with in a distance of 60 meter(200 ft)							
(A)	(Interior Surface)							
	Ground floor							
	Machine Room	1	32.40	-	3.50	113.40		
	Class Room	1	21.40	-	3.50	74.90		
	Chemical Room	1	21.40	-	3.50	74.90		
	Toilet	1	15.60	-	1.40	21.84		
	Lab-2	1	49.70	-	3.50	173.95		
	Preparation Room	1	21.60	-	3.50	75.60		
	Store	1	21.60	-	3.50	75.60		
	Lab-1	1	49.70	-	3.50	173.95		
	Preparation Room	1	21.60	-	3.50	75.60		
	Toilet	1	15.60	-	1.40	21.84		
	Balance Room	1	24.60	-	3.50	86.10		
	Office	1	21.40	-	3.50	74.90		
	Store	1	12.00	-	3.50	42.00		
	Wash Room	1	8.60	-	3.50	30.10		
	Office-2	1	32.20	-	3.50	81.20		
	Entrance	1	33.80	-	3.50	118.30		
	Passage	1	124.80	-	3.50	436.80		
	Staircase	2	7.93	-	3.50	55.51		
	First floor							
	Store	1	21.60	-	3.50	75.60		
	Lab-1	1	49.80	-	3.50	174.30		
	Preparation Room	1	21.60	-	3.50	75.60		
	Toilet	1	15.60	-	1.40	21.84		
	Teachers Room	1	117.42	-	3.50	410.97		
	Library	1	32.00	-	3.50	112.00		
	Office-1	1	17.80	-	3.50	62.30		
	Office-2	1	24.80	-	3.50	86.80		
	Class Room	1	42.40	-	3.50	148.40		
	Staff Room	1	20.80	-	3.50	72.80		
	Toilet	1	15.60	-	1.40	21.84		
	Store	1	21.60	-	3.50	75.60		
	Lecture Hall	1	49.80	-	3.50	174.30		
	Passage	1	124.80	-	3.50	436.80		
	Staircase Mumty	1	28.60	-	3.00	85.80		
(B)	Exterior Surface							
	Ground Floor							
		2	60.46	-	4.40	532.05		
		2	16.72	-	4.40	147.14		
	First floor							
		2	60.46	-	3.50	423.22		
		2	16.72	-	3.50	117.04		
(C)	Ceiling Surface							

A

E

Ground Floor						
Machine Room	1	5.70	10.50	-	59.85	
Class Room	1	5.70	5.00	-	28.50	
Chemical Room	1	5.70	5.00	-	28.50	
Toilet	1	2.70	1.13	-	3.05	
Lab-2	1	17.15	7.70	-	132.06	
Preparation Room	1	3.10	7.70	-	23.87	
Store	1	3.10	7.70	-	23.87	
Lab-1	1	17.20	7.70	-	132.44	
Preparation Room	1	3.10	7.70	-	23.87	
Toilet	1	3.20	4.60	-	14.72	
Balance Room	1	6.60	5.70	-	37.62	
Office	1	5.00	5.70	-	28.50	
Store	1	3.30	2.70	-	8.91	
Wash Room	1	2.70	1.60	-	4.32	
Office-2	1	5.90	5.70	-	33.63	
Entrance	1	10.00	6.90	-	69.00	
Passage	1	60.00	2.40	-	144.00	
Staircase	2	7.93	6.00	-	47.58	
First floor						
Store	1	3.10	7.70	-	23.87	
Lab-1	1	17.20	7.70	-	132.44	
Preparation Room	1	3.10	7.70	-	23.87	
Toilet	1	3.20	4.60	-	14.72	
Teachers Room	1	10.30	5.70	-	58.71	
Library	1	10.30	5.70	-	58.71	
Office-1	1	3.20	5.70	-	18.24	
Office-2	1	6.70	5.70	-	38.19	
Class Room	1	15.50	5.70	-	88.35	
Staff Room	1	4.70	5.70	-	26.79	
Toilet	1	3.20	4.60	-	14.72	
Store	1	3.10	7.70	-	23.87	
Lecture Hall	1	17.20	7.70	-	132.44	
Passage	1	60.00	2.40	-	144.00	
Staircase Mumty	1	7.93	6.00	-	47.58	
					Total	6751.67 Sqm.
Deduction						
Doors	24	1.36	-	2.65	86.50	
	6	1.13	-	2.70	18.31	
	9	1.13	-	2.65	26.95	
Windows	49	1.80	-	1.80	158.76	
	8	0.60	-	1.50	7.20	
	1	1.00	-	1.75	1.75	
	2	1.80	-	0.60	2.16	
	4	1.50	-	0.60	3.60	
	4	0.60	-	3.50	8.40	
Grill	1	1.80	-	1.20	2.16	
	2	3.30	-	2.70	17.82	
					Total	333.60 Sqm.

Handwritten signature

Handwritten signature

2	197	Dismantling/Rubbing existing floor/ Granolithic floor			G.Total	6417.07	13.00	83421.00
Ground Floor								
		Machine Room	1	5.70	10.50	-	59.85	
		Class Room	1	5.70	5.00	-	28.50	
		Chemical Room	1	5.70	5.00	-	28.50	
		Toilet	1	2.70	1.13	-	3.05	
			1	7.66	2.10	-	16.09	
		Lab-2	1	17.15	7.70	-	132.06	
		Preparation Room	1	3.10	7.70	-	23.87	
		Store	1	3.10	7.70	-	23.87	
		Lab-1	1	17.20	7.70	-	132.44	
		Preparation Room	1	3.10	7.70	-	23.87	
		Toilet	1	3.20	4.60	-	14.72	
			1	15.60	2.10	-	32.76	
		Balance Room	1	6.60	5.70	-	37.62	
		Office	1	5.00	5.70	-	28.50	
		Store	1	3.30	2.70	-	8.91	
		Wash Room	1	2.70	1.60	-	4.32	
		Office-2	1	5.90	5.70	-	33.63	
		Entrance	1	10.00	6.90	-	69.00	
		Passage	1	60.00	2.40	-	144.00	
		Staircase	2	7.93	6.00	-	47.58	
First floor								
		Store	1	3.10	7.70	-	23.87	
		Lab-1	1	17.20	7.70	-	132.44	
		Preparation Room	1	3.10	7.70	-	23.87	
		Toilet	1	3.20	4.60	-	14.72	
		Teachers Room	1	10.30	5.70	-	58.71	
		Library	1	10.30	5.70	-	58.71	
		Office-1	1	3.20	5.70	-	18.24	
		Office-2	1	6.70	5.70	-	38.19	
		Class Room	1	15.50	5.70	-	88.35	
		Staff Room	1	10.30	5.70	-	58.71	
		Toilet	1	3.20	4.60	-	14.72	
		Store	1	3.10	7.70	-	23.87	
		Lecture Hall	1	17.20	7.70	-	132.44	
		Passage	1	60.00	2.40	-	144.00	
		Staircase Mumty	1	7.93	6.00	-	47.58	
						Total	1771.55	21.00
						Sqm.		37203.00
3/703		Dismantling of door or window including by stacking of dismantled material as directed Engineer-in-charge with in a distance of 60 meters						
		1x1	3.10	-	2.70	8.37		
		24	1.25	-	2.00	60.00		
		10	0.85	-	2.00	17.00		
		6	1.00	-	2.00	12.00		
					Total	97.37	31.00	3018.00
		Window	1x49	1.80	-	1.80	158.76	

AB

[Handwritten signature]

		1x8	0.60	-	1.50	7.20		
		1x2	1.80	-	0.60	2.16		
		1x1	1.00	-	1.75	1.75		
		1x4	1.50	-	0.60	3.60		
		1x4	0.60	-	3.50	8.40		
					Total	181.87		
		1x4	0.60	-	2.70	6.48		
		1x4	0.60	-	1.95	4.68		
		1x2	2.40	-	1.60	7.68		
					Total	200.71	31.00	6222.00
4	Dismantling of Mudphuska on terrace							
	Terrace			1	9.20	21.60	0.20	39.74
				1	10.70	7.20	0.20	15.41
				1	10.00	3.60	0.20	7.20
				1	9.40	21.70	0.20	40.80
				1	8.50	21.70	0.20	36.89
				1	3.80	7.70	0.20	5.85
				1	21.80	8.80	0.20	38.37
				1	10.60	9.00	0.20	19.08
					Total	203.31	311.65	71985.00
S/AR	Disposal of Malba of Dismantaled materials from site upto 10 km.							
i	Plaster							
	Qty same as item No.1 thicknes .15mm			6417.0				96.25
				7x.015				
ii	Mudphuska- Qty same as item No. 4							203.31
					Total	299.60	292.00	87483.00
6/586	12mm cement plaster in single coat on fair side of single or half brick wall for interior plastering up to floor two level including brick wall for interior plastering upto floor two level including internal rounded angles chamfers, and/ or rounded angles not exceeding 80mm in girth and finished even and smooth no extra for mixing any additive.							
	Interior Surface							
	Ground Floor							
	Machine Room	1	32.40	-	1.40	45.36		
	Class Room	1	21.40	-	1.40	29.96		
	Chemical Room	1	21.40	-	1.40	29.96		
	Toilet	1	15.60	-	1.40	21.84		
	Lab-2	1	49.70	-	1.40	69.58		
	Preparation Room	1	21.60	-	1.40	30.24		
	Store	1	21.60	-	1.40	30.24		
	Lab-1	1	49.70	-	1.40	69.58		
	Preparation Room	1	21.60	-	1.40	30.24		
	Toilet	1	15.60	-	1.40	21.84		
	Balance Room	1	24.60	-	1.40	34.44		
	Office	1	21.40	-	1.40	29.96		
	Store	1	12.00	-	1.40	16.80		

Wash Room	1	8.60	-	1.40	12.04		
Office-2	1	23.20	-	1.40	32.48		
Entrance	1	33.80	-	1.40	47.32		
Passage	1	124.80	-	1.40	174.72		
Staircase	2	7.93	-	1.40	22.20		
First floor							
Store	1	21.60	-	1.40	30.24		
Lab-1	1	49.80	-	1.40	69.72		
Preparation Room	1	21.60	-	1.40	30.24		
Toilet	1	15.60	-	1.40	21.84		
Teachers Room	1	117.42	-	1.40	164.39		
Library	1	32.00	-	1.40	44.80		
Office-1	1	17.80	-	1.40	24.92		
Office-2	1	24.80	-	1.40	34.72		
Class Room	1	42.40	-	1.40	59.36		
Staff Room	1	20.80	-	1.40	29.12		
Toilet	1	15.60	-	1.40	21.84		
Store	1	21.60	-	1.40	30.24		
Lecture Hall	1	49.80	-	1.40	69.72		
Passage	1	124.80	-	1.40	174.72		
Staircase Mumty	1	28.60	-	3.00	85.80		
				Total	1640.47		
					sqm.		
Deduction							
Doors	24	1.36	-	0.55	17.95		
	6	1.13	-	0.60	4.07		
	10	0.85	-	0.55	5.59		
Windows	49	1.80	-	0.60	52.92		
	8	0.60	-	0.30	1.44		
	1	1.00	-	0.55	0.55		
	2	1.80	-	0.60	2.16		
	4	1.50	-	0.60	3.60		
	4	0.60	-	1.40	3.36		
Grill	1	1.80	-	0.60	1.08		
	2	3.30	-	0.60	3.96		
				Total	96.68		
				G.Total	1543.79	112.00	172904.00
7	15mm thick cement plaster in 1:6						
	Exterior Surface						
	Ground floor						
	2	60.46	-	4.40	532.05		
	2	16.72	-	4.40	147.14		
	First floor						
	2	60.46	-	3.50	423.22		
	2	16.72	-	3.50	117.04		
	Mumty						
	1	8.16	-	3.00	24.48		
	1	6.46	-	3.00	19.38		
				Total	1263.30	124.00	156649.00
					sqm.		
8/	Providing and laying Vitrified floor tiles in different size						
11.49.2	(Thickness to be specified by the manufacturer) with water						

APD

absorption less than 0.08% and conforming to IS: 15622 of approved make in all colours and shades on 20mm thick cement mortar (1 with china Cement : sand), including grouting the joints with white cement and matching pigments etc. complete with.

Ground Floor								
Machine Room	1	5.70	10.50	-	59.85			
Class Room	1	5.70	5.00	-	28.50			
Chemical Room	1	5.70	5.00	-	28.50			
Lab-2	1	17.15	7.70	-	132.06			
Preparation Room	1	3.10	7.70	-	23.87			
Store	1	3.10	7.70	-	23.87			
Lab-1	1	17.20	7.70	-	132.44			
Preparation Room	1	3.10	7.70	-	23.87			
Balance Room	1	6.60	5.70	-	37.62			
Office	1	5.00	5.70	-	28.50			
Store	1	3.30	2.70	-	8.91			
Wash Room	1	2.70	1.60	-	4.32			
Office-2	1	5.90	5.70	-	33.63			
Entrance	1	10.00	6.90	-	69.00			
Passage	1	60.00	2.40	-	144.00			
First floor								
Store	1	3.10	7.70	-	23.87			
Lab-1	1	17.20	7.70	-	132.44			
Preparation Room	1	3.10	7.70	-	23.87			
Teachers Room	1	10.30	5.70	-	58.71			
Library	1	10.30	5.70	-	58.71			
Office-1	1	3.20	5.70	-	18.24			
Office-2	1	6.70	5.70	-	38.19			
Class Room	1	15.50	5.70	-	88.35			
Staff Room	1	1.50	5.70	-	58.71			
Store	1	3.10	7.70	-	23.87			
					Total	1303.80	1566.70	2042664.00
9/628	P/L (White/coloured) Kajaria tiles, Ramano tiles flooring over 20mm average thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement (with pigment) slurry including rubbing and polishing complete.							
Ground floor								
Toilet	1	2.70	1.13	-	3.05			
	1	3.20	4.60	-	14.72			
First floor								
Toilet	1	3.20	4.60	-	14.72			
	1	3.20	4.60	-	14.72			
Wall Tiles								
Ground floor								
Machine Room	1	32.40	-	2.10	68.04			
Class Room	1	21.40	-	2.10	44.94			
Chemical Room	1	21.40	-	2.10	44.94			
Toilet	1	15.60	-	2.10	32.76			
Lab-2	1	49.70	-	2.10	104.37			

	Preparation Room	1	21.60	-	2.10	45.36		
	Store	1	21.60	-	2.10	45.36		
	Lab-1	1	49.70	-	2.10	104.37		
	Preparation Room	1	21.60	-	2.10	45.36		
	Toilet	1	15.60	-	2.10	32.76		
	Balance Room	1	24.60	-	2.10	51.66		
	Office	1	21.40	-	2.10	44.94		
	Store	1	12.00	-	2.10	25.20		
	Wash Room	1	8.60	-	2.10	18.06		
	Office-2	1	23.20	-	2.10	48.72		
	Entrance	1	33.80	-	2.10	70.98		
	Passage	1	124.80	-	2.10	262.08		
	Staircase	2	7.93	-	2.10	33.31		
	First floor							
	Store	1	21.60	-	2.10	45.36		
	Lab-1	1	49.80	-	2.10	104.58		
	Preparation Room	1	21.60	-	2.10	45.36		
	Toilet	1	15.60	-	2.10	32.76		
	Teachers Room	1	117.42	-	2.10	246.58		
	Library	1	32.00	-	2.10	67.20		
	Office-1	1	17.80	-	2.10	37.38		
	Office-2	1	24.80	-	2.10	52.08		
	Class Room	1	42.40	-	2.10	89.04		
	Staff Room	1	20.80	-	2.10	43.68		
	Toilet	1	15.60	-	2.10	32.76		
	Store	1	21.60	-	2.10	45.36		
	Passage	1	124.80	-	2.10	262.08		
					Total	2274.69		
	Deduction							
		1x24	1.36	-	2.10	69.54		
		1x15	1.13	-	2.10	35.60		
					Total	105.10		
					G.Total	2170.05	1070.00	2321900.00
10/ 82.2.2	Providing & fixing 18mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement: 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.							
	Area of slab over 0.50 sqm.							
	Entrance	1	10.00	6.90	-	69.00		
	Passage	1	60.00	2.40	-	144.00		
	Staircase	2	7.93	6.00	-	95.16		
	Passage	1	60.00	2.40	-	144.00		
					Total	452.16 m ²	3907.40	1766770.00
11/15.15	Wall painting (one coat) with plastic Emulsion paint of approved							

13/13.80	Providing & 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.					sqm.		
	Qty same item No.11+12							
14/ 9.117.1	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance 1±mm); with wall thickness 2.00mm(± .2mm), corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and plastic welded. The hinge side vertical of the frames reinforced by galvanized MS tube of size 19x19mm and 1mm (± 0.1mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineering-in-charge.					4470.88	89.65	400814.00
	Extruded section profile size 48x40mm	1x10	5.10	-	-	51.00	213.75	10901.00
15/ <i>AL</i>	Supply & fixing of Al Door Shutter/ window/partition wall							
	Stoff Room	1x1	10.30	-	3.50	36.05		
		1x3	4.20	-	3.50	44.10		
	Entrance	1x2	3.55	-	3.50	24.85		
		1x2	5.40	-	3.50	37.80		
		1x1	3.12	-	2.70	8.42		
		2x2	2.40	-	2.50	24.00		
		1x2	2.40	-	1.60	7.68		
		1x24	1.80	-	1.80	77.76		
					Total	260.66 m ²	<u>5304.00</u>	1382541.00
16/ 641+42	Painting or varnishing new work in small areas or new wood work with one coat (upto one sqm) of ready mixed priming paint and two coat of approved superior quality ready mixed paint or varnish including supply of all materials, labour and tools and plants etc. required for proper completion of th work paint to be used should confirm the ISI No. 103-1950							
		70.08 x2.40				168.19 m ²	80.00	13455.00
17/ 12.52.4	Providing & fixing tiled false ceiling of approved materials of size 595x595mm in true horizontal level, suspended on interlocking metal grid of hot dipped galvanizental steel sections (galvanized @ 120 grams/sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30mm thick (minimum) sheet, spaced at 1200mm center to center and cross "T" of size 24x25mm made of 0.30mm thick (minimum) sheet, 12mm long spaced between main "T" at 600mm center to center to form a grid of 1200x600mm and secondary cross "T" of length 600mm and size 24x25mm made of 0.30mm thick (minimum) sheet to be interlocked at middle of the 1200x600mm panel to form grixe of 600x600 mm and wall angle of size 24x24x0.30mm and laying false ceiling tiles of approved texture in the grix including, required cutting/making.							

	opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27x37x25x1.6 mm fixed to ceiling with 12.5mm dia and 50mm long dash fasteners, 4mm GI adjustable rods with galvanised butterfly level clips of size 85x30x0.8mm spaced at 1200mm center to center along main T, bottom exposed width of 24mm of all T-sections shall be per-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.							
	Office	1	5.00	5.70	-	28.50		
	Office-2	1	5.90	5.70	-	33.63		
	Teachers Room	1	10.30	5.70	-	85.13		
	Library	1	10.30	5.70	-	85.13		
	Office	1	3.20	5.70	-	18.24		
	Office-2	1	6.70	5.70	-	38.19		
	Staff Room	1	10.30	5.70	-	58.71		
	Lecture Hall	1	17.20	7.70	-	132.44		
						Total	479.97	1155.20
18/ 22.7.1	100mm <u>koba treatment</u> of RCC Slab level in slops as per direction of E/E							554461.00
		1x1	8.65	22.00	-	190.03		
		1x1	9.70	21.00	-	203.70		
		1x1	3.70	7.70	-	28.49		
		1x1	10.70	3.90	-	41.73		
		1x1	12.20	12.00	-	146.40		
		1x1	8.90	10.70	-	95.23		
		1x1	18.20	22.80	-	414.96		
		1x1	8.00	3.70	-	29.60		
		1x1	0.50	9.50	-	4.75		
						Total	1154.89	1019.05
19/692	Dismantling lime or cement mortar brick work including stacking of dismantled materials with in 60 m. distance as directed by Engineer-in-charge.							1176890.00
		1x1	19.00	0.115	0.90	19.66	175.00	3440.00
20/303+ 309+310	B/w with 1:6 C,C/Sand mortar in parapet 9" thick wall.					m ²		
		1x1	190.00	0.23	1.05	45.89		
21/13.12	12mm thick 1:6 C,C/Sand mortar in plaster.							
		1x1	190.00	2.33	-	442.70		
22/MR	Supply & fixing of 150mm PVC Rein water pipe							
		1x1	20.00	7.60	-	152.00		
23	Dismantling of existing table							
		2x3	-	-	-	6.00	600.00	91200.00
24/305+ 310A	M-150 B/w with 1:4 C,C/Sand mortar in supply of all material labour T&P.							
25/284	RCC with 1:1½:3 C,C/Sand & stone grit mortar in supply of all							
		3x7x2	1.55	0.115	.75	5.61	6100.00	34221.00

PA

E

	material labour T&P.							
		2x3	11.10	1.55	1.00	10.32	8300.00	85656.00
26/281	Lean con. with 1:4:8 C,C/Sand & stone ballast mortar in supply of all material labour T&P.							
		2x2	12.00	1.60	0.15	11.52	4530.00	52186.00
27	Cutting bending placing & bairding MS bare							
	10.32x1.25%x78.50=					10.13	6900.00	69897.00
28/ 11.21.1	Providing and fixing 10mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding and joints filled with acid and/or alkali resisting cement as per IS:4457, complete as per the direction of Engineer-in-charge.					Qtl.		
		2x3	11.10	1.55	-	103.23	1230.30	127003.00
29/ 11.21.2.1	Providing and fixing 10mm thick acid and/or alkali resistant tiles of approved make and colour using acid and/or alkali resisting mortar bedding and joints filled with acid and/or alkali resisting cement as per IS:4457, complete as per the direction of Engineer-in-charge.							
		2x3x2	11.10	-	0.10	13.32		
		2x3x2	1.55	-	0.10	1.86		
		2x42	1.55	-	0.75	97.65		
					Total	112.83	1293.00	145890.00
30/ 17.11.2	Providing & fixing white vitreous china laboratory sink with C.I. brackets, CP brass chain with rubber plug, 40mm CP brass waste and 40mm CP brass trap with necessary CP brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required.							
	Size 600x450x200mm	3x12	-	-	-	36.00	3162.75	113859.00
31/ 18.51.1	Providing and fixing CP brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.							
	15mm nominal bore	3x12	-	-	-	36.00	610.65	21983.00
32/ 18.12.3	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.							
	25mm dia nominal bore	1x6	33.11	-	-	198.67	257.30	51116.00
33/ 18.12.1	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.							
	15mm dia nominal bore	1x1				72.00	186.25	13410.00
34/ 19.1.1	Providing, laying and jointing glazed stoneware pipes class SP-I with stiff mixture of cement mortar in the proportion of 1:1 (1 cement: 1 fine sand) including testing of joints etc. complete.							
	100mm diameter	1x1	-	-	-	72.00	206.55	14843.00
35/ 19.3.1	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse sand : 10 graded stone aggregate 40mm nominal size) up to haunches of SW pipes including bed concrete as per standard design.							
	100mm diameter SW pipe	1x1	-	-	-	72.00	281.65	20279.00
36/ 19.4.2	Providing & fixing square-mouth SW gully trap class SP-I complete with CI grating brick masonry chamber with water tight CI cover with frame of 300x300mm size (inside) the							

	weight of cover to be not less than 4.50 kg. and frame to be not less than 2.70 kg as per standard design.						
37/ 12.41	1x1	-	-	-	24.00	1645.70	39400.00
Providing and fixing on wall face unplasticided Rigid PVC rain water pipes conforming to IS: 13592 TypeA, including jointing with seal ring conforming to IS: 5382, leaving 10mm gap for thermal expansion, (i) single socketed pipes.							
38/ 12.42.5.2	110mm diameter	1x1	-	-	40.00	231.65	9266.00
Providing and fixing on wall face unplasticided PVC moulded fittings/ accessories for unplasticided Rigid PVC rain water pipes conforming to IS: 13592 A, including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion.							
39/ 12.42.4.2	110mm bend				4.00	161.55	646.20
Providing and fixing on wall face unplasticided PVC moulded fittings/ accessories for unplasticided Rigid PVC rain water pipes conforming to IS: 13592 A, including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion.							
40/MR	110x110x110mm				9.00	248.55	2236.95
Supply & fixing of wooden cabinet							
41/MR		3x48	-	-	144.00	4000.00	576000.00
Supply & fixing of rejent rack							
42/MR		3x48	-	-	144.00	3000.00	432000.00
Supply & fixing of pre limineted door shutter.							
		1x24	1.25	-	2.00	60.00	
		1x6	1.00	-	2.00	12.00	
				Total	72.00	3500.00	252000.00
43/ 9.118.1	Supply & fixing of 24mm thick faictory made PVC door shutter.						
44/474		1x10	0.85	-	2.00	17.00	2718.60
Supply & fixing of Door fitting							
					72.00	308.00	22176.00
45/455	Supply & fixing Galvanized Mosquitos proof heavy quality iron wire gauge of expended metalheavy quality over eindows and including supply of teak wood oatten 8cmx1cm (3"x3/8")/flat iron 25mmx4mm and including supply of necessary screws all materials labour and tools and plants, etc. required forproper completion of the work.						
		1x49	1.80	-	1.80	158.76	
		1x8	0.60	-	1.80	7.20	
		1x1	1.00	-	1.75	2.16	
		1x2	1.80	-	0.60	1.75	
		1x4	1.50	-	0.60	3.60	
		1x4	0.60	-	3.50	8.40	
		1x4	0.60	-	2.70	6.48	
		1x4	0.60	-	1.95	4.68	
		1x2	2.40	-	1.60	7.68	
				Total	200.71	780.00	156554.00
46/641+ 42	Painting or varnishing new work in small areas or new wood work with one coat (upto one sqm) of ready mixed priming paint and two coat of approved superior quality ready mixed paint or						

	varnish including supply of all materials, labour and tools and plants etc. required for proper completion of th work paint to be used should confirm the ISI No. 103-1950							
	Window	1x2	200.71	-	-	802.84	80.00	64227.00
	Door shutter	24x2.40	-	1.36	2.65	207.59		
		6x2.4	-	1.13	2.70	43.93		
		9x2.40	-	1.13	2.65	64.68		
					Total	316.28	80.00	25302.40
47/9.35.3	Providing and fixing in wall lining flat pressed three layer (medium density) particle board or graded wood Pre-laminated one side decorative lamination and other side balancing lamination Grade 1, Type II, IS:12823 marked, including priming coat on unexposed surface, with necessary fixing arrangement and screws etc. complete.							
	25mm thick	1x2	17.20	-	3.00	103.20		
		1x2	7.70	-	3.00	46.20		
					Total	149.40	1407.35	210258.00
48/18.02	Renewing panes of glass in door, window & ventilators or fixing in the new work with 4mm thick glass panes fixed with brads & putty including supply of all materials, labour T&P etc. required for proper completion of the work.							
						200.71	632.00	126848.00
49/9.46.3	Providing and fixing curtain rods of 1.25mm thick & 25mm dia chromium plated brass plate, with two chromium plated brass brackets fixed with CP brass screws and wooden plugs, etc complete.							
		1x1	150.00	-	-	150.00	468.75	70313.00
	Sanitary & water supply as per details.						Total	13823318.00
								759564.00
	Contingencies 2%						Total	14582882.00
								291658.00
							G.Total	14874540.00

J.E.

A.E.

E.E.

Detail of Measurements & Bill of Quantities

Name of Work :- Toilet Block Pharmacy.

S.N.	Name of work	No.	L.	B.	H.	Qty.	Rate	Amount Rs.
1	Dismantling of old Toilet Block							
		1x4	-	-	-	4.00	1000.00	4000.00
2/ 17.1.1	Providing and fixing water closet squatting pan (Indian type WC pan) with 100mm sand cast iron P or S trap, 10 litre low level white PVC 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 WC pan of size 580x440 mm with integral type foot rests.	1x6	-	-	-	6.00	3392.80	20356.00
3/ 17.78	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/6litre (adjustable to 4 litre/8 litres), including seat cover, and cistern fittings, bolts and gasket etc complete.							
		1x4	-	-	-	4.00	10100.90	40403.60
4/ 17.5.3	Providing and fixing white vitreous china flat back half stallurinal of size 580x380 x350 mm with white PVC automatic flushing cistern with fittings, standard size CP brass flush pipe, spreaders with unions and clamps (all in CP brass) with waste fitting as per IS: 2556, C.I. trap with outlet grating and other couplings in CP brass, including painting of fitting and cutting and making good the walls and floors wherever required.							
	Rangé of three half stall urinals with 10 litre PVC automatic flushing cistern.	1x4	-	-	-	4.00	13411.10	53644.40
5/ 17.7.3	Providing and fixing wash basin with C.I. brackets, 15mm CP brass pillar taps, 32mm CP brass waste for standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require.							
	White Vitreous china wash basin size 550x400 mm with a pair of 15mm CP brass pillar tap.	2x5	-	-	-	10.00	2127.90	21279.00
6/ 17.8	Providing and fixing white Vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.							

		2x5	-	-	-	10.00	979.95	9799.50
7/ 17.28.1.1	Providing and fixing PVC waste pipe for sink or wash basin including PVC waste fittings complete.							
	32 mm dia	2x5	-	-	-	10.00	76.75	767.50
8/ 17.28.1.2	Providing and fixing PVC waste pipe for sink or wash basin including PVC waste fittings complete.							
	40 mm dia	3x4	-	-	-	12.00	82.60	991.20
9/ 17.31	Providing and fixing 600x450mm beveled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with CP brass screws and washers complete.							
		2x5	-	-	-	10.00	793.95	7939.50
10/ 17.33	Providing and fixing 600x120x5mm glass shelf with edges round off, supported on anodised aluminium angle frame with CP brass brackets and guard rail complete fixe with 40mm long screws, rawl plugs etc. complete.							
		2x5	-	-	-	10.00	543.80	5438.0
11/ 17.35.1.1	Providing and fixing soil, waste and vent pipes.							
	Sand cast iron S&S pipe as per IS:1729	1x1	60.00	-	-	60.00	859.00	51540.00
12/ 17.37.1	Providing & fixing MS holder-bat clamps of approved design to sand cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size), including cost of cutting holes and making good the walls etc.							
	For 100mm dia pipe	1x1	24.00	-	-	24.00	152.90	3669.60
13/ 17.38.1.1	Providing and fixing beand of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete.							
	Sand cast iron S&S as per IS: 1729	2x9	-	-	-	18.00	341.55	6147.90
14/ 17.39.1.1	Providing and fixing plain beand required degree.							
	Sand cast iron S&S as per IS: 1729	2x9	-	-	-	18.00	434.50	7821.00
15/ 17.44.1.1	Providing and fixing single equal plain junction of required degree.							
	Sand cast iron S&S as per IS: 1729	2x4	-	-	-	8.00	550.65	4405.20
16/ 17.38.1.1	Providing and fixing beand of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete.							

	Sand cast iron S&S as per IS: 1729	2x4	-	-	-	8.00	341.55	2732.40
17/ 17.57.1.1	Providing and fixing collar.							
	Sand cast iron S&S as per IS: 1729	1x30	-	-	-	30.00	194.05	5821.50
18/ 17.58.1	Providing lead caulked joints to sand iron/ centrifugally cast (spun) iron pipes and fitting of diameter.							
	100mm	1x100	-	-	-	100.00	243.75	24375.00
19/ 17.60.1	providing & fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors.							
	100mm inlet and 100mm outlet	1x22	-	-	-	22.00	982.55	21616.00
20/ 17.61.1	Cutting chases in brick masonry walls for following diameter sand cast iron/centrifugally cast (spun) iron pipes and making good the same with cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 12.5mm nominal size), including necessary plaster and pointing in cement mortar 1:4 (1 cement: 4 coarse sand)							
	100mm dia	1x18	-	-	-	18.00	332.00	5976.00
21/ 17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125mm high and 112mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.							
		2x5	-	-	-	10.00	228.85	2288.50
22/ 17.72	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 125mm wide with minimum distances of 37mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.							
		2x5	-	-	-	10.00	218.50	2185.00
23/ 18.10.1	Providing and fixing G.I. pipes complete with G.I. fittings and clamps i/c cutting and making good the walls etc.							
	15 mm dia nominal bore	2x4	12.00	-	-	96.00	215.10	20649.60
24/ 18.10.2	Providing and fixing G.I. pipes complete with G.I. fittings and clamps i/c cutting and making good the walls etc.							
	20 mm dia nominal bore	2x4	12.00	-	-	96.00	249.30	23932.80
25/ 18.12.3	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.							
	25mm dia nominal bore	1x1	100	-	-	100.00	257.30	25730.00
26/ 18.13.1	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete.							
	25 to 40mm nominal bore.	1x2	-	-	-	2.00	367.75	735.50
27/ 18.19.1.1	Providing & fixing gun metal non-return valve of approved quality (screwed end)							
	Horizontal	1x2	-	-	-	2.00	446.10	892.20
28/	Constructing masonry chamber 60x60x75 cm inside, in brick							

18.33	work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160mm bottom diameter and 180mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick , finished with a floating coat of neat cement complete as per standard design.							
		1x8	-	-	-	8.00	6754.30	54034.40
29/ 18.34	Constructing masonry chamber 90x90x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160mm bottom diameter and 180mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick , finished with a floating coat of neat cement complete as per standard design.							
		1x6	-	-	-	6.00	11672.35	70034.10
30/ 18.46.2	Providing & fixing G.I. Union G.I. pipe including cutting and threading the pipe and making long screws etc.complete (New work)							
	20mm nominal bore	2x4	-	-	-	8.00	188.50	1508.00
31/ 18.46.3	Providing & fixing G.I. Union G.I. pipe including cutting and threading the pipe and making long screws etc.complete (New work)							
	25mm nominal bore	1x4	-	-	-	4.00	200.10	800.40
32/ 18.51	Providing and fixing CP brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.							
		2x5	-	-	-	10.00	610.65	6106.50
33/ 18.53	Providing and fixing CP brass angle valve for basin mixer and geyser points of approved quality conforming to IS: 8931 A 15 mm nominal bore							
		1x32	-	-	-	32.00	507.70	16246.40
34/ 19.1.2	Providing, laying and jointing glazed stoneware pipes class SP-I with stiff mixture of cement mortar in the proportion of 1:1 (1 cement: 1 fine sand) including testing of joints etc. complete.							
	150mm diameter	1x90	-	-	-	90.00	314.35	28291.50
35/ 19.1.3	Providing, laying and jointing glazed stoneware pipes class SP-I with stiff mixture of cement mortar in the proportion of 1:1 (1 cement: 1 fine sand) including testing of joints etc. complete.							
	200mm diameter	1x50	-	-	-	50.00	462.15	23107.50
36/ 19.2.2	Providing & laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size)							

	all-round SW pipes including bed concrete as per standard design							
	150mm diameter SW pipe	1x90	-	-	-	90.00	724.70	65223.00
37/ 19.2.3	Providing & laying cement concrete 1:5:10 (I cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size) all-round SW pipes including bed concrete as per standard design							
	200mm diameter SW pipe	1x50	-	-	-	50.00	844.85	42242.50
38/ 19.4.2.1	Providing & fixing square-mouth SW gully trap class SP-I complete with CI grating brick masonry chamber with water tight CI cover with frame of 300x300mm size (inside) the weight of cover to be not less than 4.50 kg. and frame to be not less than 2.70 kg as per standard design.							
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2x5	-	-	-	10.00	1594.35	15944.00
39/MR	Water storage Tank	4x1000				4000.00	7.50	30000.00
40/MR	Construction of Base for Tank	4				4.00	5000.00	20000.00
	Add 2%						Total	744671.00
							(+)	14893.00
							Total	759564.00


J.E.


A.E.

E.E.

U.P. State Construction & Infrastructure Development Corporation Ltd.

Electrical Estimate of :- RENOVATION OF PHARMACY BUILDING DOTT. ATMLN MEDICAL COLLEGE ALLAHABAD

Code	Description	Qty.	Rate	Amount
138C	Wiring point for light with 1.0 Sq.mm. FR PVC insulated multi strand single core copper conductor cable in PVC conduit with 1.5 Sq.mm. FR PVC insulated multi strend copper cable as earth wire drawn inside and piano type switch & ceiling rose/angle/ batten holder on 3 mm. thick phenolic laminated Bakelite sheet etc. complete in respects as directed, including matching color wash.	177 Points	495.00	87615=00
140C	Wiring point for fan/fresh air fan (light duty exhaust fan) with 1.0 Sq. mm. mm. FR PVC insulated multi strand single core copper conductor cable in PVC conduit partly concealed in wall and partly laid in slab along with reinforcement before concreting with 1.5 Sq.mm. FR PVC insulated multi stand copper conductor cable as earth wire drawn inside and piano type switch & ceiling rose on 3 mm thick phenolic laminated Bakelite sheet etc. complete in all respects as directed, including matching color wash.	96 Points	580.00	55680=00
141C	Wiring point for Call Bell with 1.0 Sq. mm. FR PVC insulated multi strand single core copper conductor cable in PVC conduit with 1.5 Sq. mm. FR PVC insulated multi strand copper conductor cable as earth wire drawn inside and piano type switch & socket on 3 mm. thick phnolic laminated Bakelite sheet etc. complete in all respects as directed, including matching color wash.	5 Points	265.00	1325=00
142C	Wiring point plug with 1.0 Sq. mm. FR PVC insulated multi strand single core copper conductor cabnle in PVC conduit with 1.5 Sq. mm. insulated multi strand copper conductor cable as earth wire drawn inside and piano type bell push or 2 pin socket on 3 mm thick phenolic laminated Bakelite sheet etc. complete in all respects as directed, including matching color wash.	50 Points	466.00	23300=00
143C	Wiring point for H.P.M.V./Sodium Vapour. lamp with 1.5 Sq.mm. FR PVC insulated multistrand single core copper conductor cable in PV conduit with 1.5 Sq.mm. FR PVC insulated multi strand copper conductor cable as earth wire drawn in side and 15 A Piano type switch on 3 mm thick phenolic laminated sheet etc. complete in all respects.	4 Points	840.00	3360=00
161	S/F of switch boxes made up of 16 SWG (1.5 mm.) thick M.S. sheet of 175×100×65 mm. size duly painted with red oxide primer and flush to wall etc. complete in all respect.	4 Nos.	90.00	360=00
164	S/F of switch boxes made up to 16 SWG (1.5 mm.) thick M.S. sheet of 250×300×65 mm. size duly painted with red oxide primer and flush to wall etc. complete in all respect.	4 Nos.	210.00	840=00
Total		Rs.		172400=00

Jr. Engr.(E.)

Asst. Engr.(E.)/Ex. Engr.(E.)


On the page No. 2.

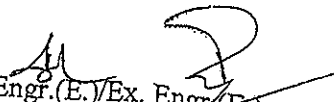
Code	Description	Qty.	Rate	Amount
	B.F.	Rs.		
1313C	Supply and wiring of submain with 2 Nos. 1.5 Sq. mm. FR PVC insulated 1100 V grade multi strand single core conductor cable in 20 mm dia heavy duty (2 mm thick) PVC conduit with 1 No. 1.5 Sq. mm FR PVC insulated 1100 V grade multi strand single core copper conductor cable as earth wire drawn inside the conduit complete in all respect for computer points.	600 Mtrs.	210.00 97.00	58200.00
221C	S/W of sub main with 2x4 Sq. mm. FR PVC insulated single core copper conductor cable in heavy gauge rigid PVC conduit with 2.5 Sq. mm. FR PVC insulated single core copper cable as earth drawn inside etc. complete in all respect.	1300 Mtrs.	148.00	192400.00
222C	S/Wiring of sub main with 2x6 Sq.mm. + 1x4.0 Sq.mm. FR PVC insulated single core copper conductor cable in heavy gauge rigid PVC conduit etc. complete in all respect	450 Mtrs.	206.00	84460.00
223C	S/Wiring of sub main with 2x10 Sq.mm. + 1x6.0 Sq.mm. FR PVC insulated single core copper conductor cable in heavy gauge rigid PVC conduit etc. complete in all respect	- Mtrs.	309.00	-
278 C	Supply & wiring of Sub main with 4x10.00 + 2x6.00 Sq. mm FR PVC single core multistrand copper conductor cable in PVC conduit concealed in wall & Slab.	- Mtrs.	570.00	-
408	Supply and fixing of water light oblong bulk head fitting of Bajaj/Glomite/Majestic make complete with prismatic glass holder, rubber gasket, G.I. Graurd etc. complete in all respects.	6 Nos.	390.00	2340.00
450	S/F of fancy type round ceiling fitting made of polycarbonate suitable for and with 2x9 W CFL complete in all respect Havell's make circular. Cat "A"	- Nos.	1282.00	-
453	Supply and fixing of factory wired, HPF box type, fluorescent light fitting suitable for 1x40 watt fluorescent tube complete including tubes etc. on surface complete in all respect Crompton, Bajaj, Phillips. with Electronic Ballast	51 Nos.	1116.00	56916.00
466(II)	S/F of factory wired HPF surface fluorescent tube light fitting with mirror optics suitable for 2x40 watt fluorescent tube including tube etc. complete in all respect.	- Nos.	2842.00	-
487(1)	Supply & fixing of factory wired sodium vapour street lighting luminaries single piece cast 'AI' body suitable for 250 W.S.V. lamp on G.I. pipe bracket complete in all respect on with integral control gear with lamp on wall. Cat "AA" (Seg.)	4 Nos.	7465.00	29860.00
703	Supply & burying of 600x600x6.0 mm. dia G.I. plate vertically for earthing with its top at least 3 meters below ground level complete with 20 mm dia G.I. pipe and funnel for watering and earthing lead of No. 8 to 10 SWG wire in G.I. pipe up to (Switch board from approx to switch	2 Nos.	4730.00	9460.00

56

Code	Description	Qty.	Rate	Amount
716	Supply and laying of 25 mm×3 mm G.I. strip from earth electrode directly in the ground as required complete in all respects.	30 Mtrs.	82.00	2460=00
1002	S/F 5/10/20/25/30/32 Amp. MCB (10 K.A)	Nos. 96	200.00	19200=00
1011	S/F of 63 Amp. 2 pole MCB (910 K.A.)	No. —	865.00	
1020	S/F of 63 Amp. 2 pole MCB	No. 06	1550.00	9300=00
1026A	S/F of surface/flush mounting 4 way TPN distribution board without MCB complete in all respect. Double door.	No. 06	2650.00	15900=00
1025A	S/F of surface/flush mounting 12 ways SPN distribution board without MCB complete in all respects and as directed at site double door indo Asian, Havells.	Nos. 06	1700.00	10200=00
1031	S/F of sheet steel enclosure surface/flush mounting fitted with 20 Amp. 2 pin and earth metal clad sleeping earth plug and socket complete. — do —	Nos. —	995.00	—
1101	Supply and fixing of call bell of approved make on polished MDFEG board including making connection etc. complete in all respects.	Nos. 12	2650.00	31800=00
1109	S/F of danger board fabricated from 10 gauge M.S. sheet as per I.E. rules.	Nos. 5	125.00	625=00
1115	Erection and testing of ceiling fan and regulator etc. excluding supply of down rod, complete in all respects.	Nos. 1+6	70.00	490=00
1120	Erection and testing of exhaust fan on the existing hole with suitable size of rags bolts, nuts and washers etc. complete in all respects.	Nos. 89	68.00	6052=00
1121	Making hole in the wall for exhaust fan and finishing properly complete in all respects.	Nos. 13	130.00	1690=00
1122	Supply and fixing of 16 gauge M.S. drum duly painted.	Nos. —	325.00	—
1131	Supply and fixing fire extinguisher, dry chemical type kg. capacity (ISI Mark) complete with initial charge and wall bracket, along with supply of all materials and labour for proper completion of work.	Nos. 13	680.00	8840=00
1133	Supply and fixing of fire bucket, round bottom made of G.I. sheet 9-10 liters capacity duly painted as per fire brigade design, supported on hanging bracket, chained and locked, initially filled with fine fiver sand, water as per direction of Engineer-in-charge.	Nos. 2	8100.00	16200=00
1134	Supply and fixing of fire bucket, round bottom made of G.I. sheet 9-10 liters capacity duly painted as per fire brigade design, supported on hanging bracket, chained and locked, initially filled with fine fiver sand, water as per direction of Engineer-in-charge.	Nos. 2	350.00	700=00
1136	Supply and fixing of shock treatment chart (prescribed under I.E. rules) duly framed with glass and supported from back with hard board or soft board with supply of all material labour T & P for proper completions of work.	Nos. 1	235.00	235=00
1139	Supply and laying of 1800 mm × 900 mm. ×12 mm. thick chequered rubber matting of tested quality.	Nos. 1	2525.00	2525=00
1139	Supply and fixing of power plug with 15A/250 V flush type socket in suitable M.S. box of 175 mm ×100 mm. ×50 mm. size with Bakelite sheet cover 3 mm. thick fixed with brass machine screws and cup washer.	Nos. 53	270.00	14310=00
	Total			
		Rs.		746642=00

On the page No. 4.


 Jr. Engr.(E.)


 Asst. Engr.(E.)/Ex. Engr.(E.)

Sl.No.	Description	Qty.	Rate	Amount
	S/F of hexagonal fan box with hexagonal side of approx 80 mm in length fabrication from 16 SWG M.S. sheet incorporating 10 mm dia M.S. round bar duly bent for supporting fan hanger duly painted with red oxide and screwing arrangement with wiring conduit laid in the RCC roof before concreting along with supply of all materials labour T&P etc for proper completion work.	Nos -	135	-
MR	Supply of ceiling fan 48" Usha/Khaitan/ orient/Bajaj ISI mark with electronic type speed regulator decorative.	No 20	1800 = 00	36000 = 00
MR	S/F fan sheet cover of Bakelite sheet ordinary	No -	28 = 00	-
MR	Supply of Exhaust fan double wall bearing lint duty Usha/Bajaj/ Crompton 300 mm dia.	No 7	1500 = 00	10,500 = 00
MR	S/F 18 watt CFL	No	180 = 00	-
501	S/laying of aluminum conductor PVC insulated armored served sheathed cable 1100 V grade in air from transformer to main switch for making connection complete for 35 Sq mm x 3 1/2 C	Nos 245	448 = 00	109760 = 00
	S/ burying of safe earth electrode T-39 HOT clip galvanized light up to to 3000 mm outer dia 76 mm inner dia 38 mm terminal dia 12 mm outer G.I. pipe of 16 SWG and inner G.OI. pipe of 12 SWG with hot dip galvanized up to 100 micron filled with crystalline conductive property with 50 Kg activated soil capacity of reducing the soil resistivity with good mixture of retaining capacity and one earthing lead of 20x3 mm G.I. Strip up to main switch board for earthing the server.	No of	11817 = 00	11817 = 00
1007	S/of F4 Pole Isolator	06 No	1100 = 00	6600 = 00
806	S/F panel Board factory Fabricated and wired metal clad dust and vermin proof floor mounding panel TPN board etc incoming 800 Amp TPN 1 No outgoing 100 Amp TPN 7 No and.	01 No	3,20,000 = 00	3,20,000 = 00
	63 Amp TPN -2 Nos with hearty duty HQC tube the internal chamber shall be spicily and shall be comprise flush type A- meter V meter seeder south etc. The board shall have suitable capacity of electrolytic aluminum bus bar as per IS 8623 etc.			
MR	S/F of 1.50 T split type air conditioner suitable for 230 V 1 50 HZ A.C. supply complete with voltage stabilizer etc.	03 No	47000 = 00	141000 = 00
MR	S/F of 2.0 T split type air condoner stabilizer 230 V 1 dia 50 HZ A.C. supply with voltage stabilizer.	09 No	52000 = 00	468000 = 00
1406	S/F of 36 Watt to 46 watt above 3300 liming indoor remiss minting LED square fitting for am strong ceiling having pewter coated dia cost aluminums housing body with extended heat sink and differ of special polycarbonate meter and driver set complete all respect Cat AA	40 No	5830 = 00	233200 = 00

① Estimate prepared as per V.V. rate book etc.
 ② Estimate prepared as per S.I. survey report H.O. from P. & S. works
 ③ at the time of making the calculation estimate the rate
 ④ No. of estimate is as per H.O. book

Jr. Engr. (E.)

Asst. Engr. (E.)

Ex. Engr. (E.)

2083520 = 00
 2083520 = 00
 21.25

ANALYSIS OF RATES


Cartage of earth including loading and unloading but excluding stacking,
on Pucca Roads, Assume that 7 tonners truck will carry 4 cm. Meter of material.

S. No.	Description	Rate	Amount
1	1 Km. to 10 km.	231(a)	225.50
			225.50
2	Ist KM. Kaccha Road add @ 33.33% After deduction loading & Unloading (85.50-(28.0+14.0)] = 43.50 33.33 % of Rs. 43.50		14.50
3	Cost of Loading & Unloading	235(a)	52.00
		TOTAL	292.00 PER CUM



ANALYSIS OF RATE FOR ALUMINIUM DOORS AND WINDOWS

	Quantity	Unit	Wt/rm	wt
1. Door Chokhat				
Wt of Aluminium Chokhat using 20036 Jindal aluminium section 82.5x38x1.7	7.1	rm	1.139	8.09
Cost of Chokhat as per DSR 21.1.2.1	8.09		405.90	3282.47
Rate of Chokhat per r.m.				462.32
Window with aluminium Shutters				
Assuming 1.65x1.5 m window with four shutters of 1.2x0.375 sq.m and fixed glazing of 0.45x0.75 sq.m. two no.				
Wt of Aluminium Chokhat using 20036 Jindal aluminium section 82.5x38x1.7	9.45	rm	1.139	10.76
Wt of Aluminium Shutter using 19526 Jindal aluminium section 47.62x44.45x1.62	12.6	rm	0.881	11.10
		Total		21.86
5% wastage				1.09
		G.Total		22.96
Cost of Aluminium Window as per DSR 21.1.2.1	22.96		405.9	9318.39
Cost of Glazing as per DSR 21.3.2	2.476			2609.15
Cost Of Fittings and Accessories			1054.20	1200.00
Cost Of Aluminium window				13127.54
		Total		5304.06
Cost of Window per Sq.m.				5304.06


(P. K. Srivastava)
 Junior Engineer
 U.P. State Construction & Infrastructure
 Development Corporation Ltd.
 Lucknow


Executive Engineer
 U.P. State Construction & Infrastructure
 Development Corporation Ltd.
 Lucknow