

**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](http://www.upsknn.org)

**FINANCIAL BID**

**FOR**

**Repair/Renovation Works Of Nursing  
College A.T.S.V.B.P Medical College  
Campus, Meerut**

**(UTTAR PRADESH)**

**(VOLUME-II)**

**Name of :.....**

**Address:.....**

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**U.P State Construction and Infrastructure Development  
Corporation Ltd. Meerut**

**Bill of Quantity (For Tender)**

**Name of Work:- Repair/Renovation works of Nursing College  
A.T.S.V.B.P Medical College Campus, Meerut**

S. N	Particulars	Amount (In Lac)
1.	Cost of Lecture Room at First Floor	55.22
2.	Cost of Library	77.18
		<b>132.40</b>
3.	Less 5% due to work done by Nigam	-6.62
	<b>Total</b>	<b>125.78</b>

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J.E

A.E

E.E

Rate offered by bidder ( $\pm$ ) %

Above/below

In Words

In Figures

Rs.....Lacs

Net Amount.....

Rs.....

Signature of bidder

**U.P. State Construction and Infrastructure Development Corporation Ltd.**

**PROJECT:-DETAILED ESTIMATE OF PROPOSED REPAIR/RENOVATION WORKS OF NURSING COLLEGE AT S.V.B.P MEDICAL COLLEGE CAMPUS, MEERUT**

**LECTURE ROOM**

**ABSTRACT OF COST**

*(Based on S.O.R. Meerut w.e.f. 01/06/2015 & DSR-2014)*

S.N.	DESCRIPTION OF ITEM	SCH. NO.	QTY.	UNIT	RATES	AMOUNT
1	M-150 brick work in 1:4 (one cement and four coarse sand of 2.25 fineness modulus) mortar in superstructure including supply of all materials, labour and T & P etc required for proper completion of the work. $3700.00+200.00+180+150 = 4230.00$	(305a +309+310)	121.52	CUM	4230.00	514029.60
2	R.C.C. work with cement approved coarse sand and 20 mm. guage approved stone grit im the proportion of 1:1.5:3 in lintels of doors and windows excluding supply of reinforcement and its fixing and binding the same with 24 BWG binding wire and including necessary centering and shuttering etc.and also including supply of all materials, labour and tools and plants etc, required for proper completion of the works. strength of the concrete shall not beless than M-200. IN LINTEL	283+ Cement Diff.	19.95	CUM	6300.00	125685.00
3	R.C.C. work with cement approved coarse sand and 20 mm. guage approved stone grit im the proportion of 1:1.5:3 in lintels of doors and windows excluding supply of reinforcement and its fixing and binding the same with 24 BWG binding wire and including necessary centering and shuttering etc.and also including supply of all materials, labour and tools and plants etc, required for proper completion of the works. strength of the concrete shall not beless than	(PWD-284a)	46.66	CUM	6700.00	312622.00
4	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	(PWD-CHA-14 NEW ITEM)	167.555	SQM	1400.000	234576.72
5	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete.	(PWD-CHA-14 NEW ITEM)	13.572	SQM	1400.000	19000.80

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**S.K. Srivastava**  
 Executive Engg.  
 U.P. State Construction &  
 Infrastructure Development Corp  
 MEERUT

S.N.	DESCRIPTION OF ITEM	SCH. NO.	QTY.	UNIT	RATES	AMOUNT
6	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	PWD Item No. page 333	134.545	SQM	850.00	114363.25
7	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including	PWD Item No. page 333	18.282	SQM	850.00	15539.70
8	15 mm cement plaster in single coat on rough side of single or half brick wall for interior plastering up to floor two level including internal rounded angles not exceeding 80 mm in girth and finished even and smooth. (1) 1 cement : 6 fine sand	(PWD - 586+596)	576.863	SQM	117.000	67492.91
9	12mm cement plaster in single coat on fair side of single or half brick wall for exterior plastering up to 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. (1)1 cement : 6 fine sand.	(PWD - 586)	601.973	SQM	105.000	63207.13
10	Providing & fixing ISI marked flush door shutters conforming IS: 2202 non- decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters (a) 35mm thick including ISI marked stainless steel butt hinges with necessary					
	(a) Single leaf					
	(b) Double leaf 35mm thick 1909.55+104.55	(DSR-9.21.1 + 9.26)	15.120	SQM	2014.100	30453.19
11	Mild steel or iron work of small sizes and sections such as holding down bolts, hold fast tierods, gratings etc. ( when not included in an over all rates) wrought to required from including supply of steel and its wastage including cost of bolts, nuts if required for and welding, grinding and making holes as required completion of work fabrication of holes doors, chaukhats nosing.					
(a)	Hold fast for chaukhats of doors/windows.	AR	64.800	KG	60.000	3888.00
(b)	Door / windows & Staircase grill.	AR	1433.700	KG	61.000	87455.70
(c)	Z-Section windows	AR	1336.500	KG	66.000	88209.00
(c)	Angle iron door chaukhat 40*40*5	AR	156.600	KG	60.000	9396.00

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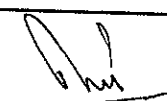
  
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S.N.	DESCRIPTION OF ITEM	SCH. NO.	QTY.	UNIT	RATES	AMOUNT
12	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides	(DSR-10.29.2)	44.550	SQM	1277.600	56917.08
13	Fixing of Door, windows/ventilators chaukhats in position.	(PWD-CHA-10)				
	(a) Door chaukhats		6	NOS	150.000	900.00
	(b) Window chaukhats		18	NOS	100.000	1800.00
14	P/F Mild steel or iron in plain work such as reinforced concrete or reinforced, brick work (when not included in over all rates ) wrought to required shape as necessary including bending for proper completion of the work and including supply of all steel and and over lapping & hooks.	(PWD- 504)	78.430	QTL.	5900.000	462737.00
15	20mm thick Bearing plaster in 1:3 C:C/S mortar	(PWD- 597)	25.440	SQM	190.000	4833.60
16	Painting or varnishing work in small areas or new wood work with one coat upto one square metre of ready mixed priming paint and one coat of approed superior quality ready mixed paint or varnish including supply of all materials, labour, Tools & plants etc. required for proper completion of the work. Paint to be used should fonfirm the ISI no. 103-1950 (M.S. works)	PWD-641+642	98.170	SQM	81.00	7951.77
17	Same as above but wooden painting	PWD-	36.290	SQM	81.00	2939.49
18	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade :New work (Two or more coats applied @ 1.43 ltr/ 10-sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	(DSR - 13.47.1)	601.973	SQM	94.95	57157.31
19	Distempering (Two coat) with oil bound distemper of approved brand and manufacture & of required shade on undecorated wall surface to give an even shade over & including a priming coat with cement primer of approved brand & manufacture such as Berger,J&N, Shalimar Asian paints after thoroughly brushing the surface free from mortar droppings & other foreign matters & also including preparing the surface even with plaster of paris or approvedsynthetic material & sand papered smooth including cost of all materials.	(PWD 649+650)	856.282	SQM	60.00	51376.94
20	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.	PWD New item page 36	1458.255	SQM	52.00	75829.26

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S.N.	DESCRIPTION OF ITEM	SCH. NO.	QTY.	UNIT	RATES	AMOUNT
21	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 4.0 mm thick glass panes	(DSR-10.30.1)	47.790	SQM	764.45	36533.07
22	Providing & fixing Stainless steel sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc complete. (a) 250mm x 16mm .	(M.R.)	6	NOS	350.000	2100.00
23	Providing and fixing stainless steel towerbolts (barrel type) with necessary screws etc. complete					
	(a) 250 mm x 10mm	(M.R.)	12	NOS	275.000	3300.00
	(a) 200 mm x 10mm	(M.R.)	24	NOS	250.000	6000.00
24	Providing and fixing stainless steel handles with screws etc. complete (a) 125 mm	(M.R.)	12.000	NOS	150.000	1800.00
25	Providing & laying "brick Coba" 12mm thick laid with M-150 class brick bat coba 7.50 cm thick with gap of 15mm to each other, over 20mm thick base of cement mortar 1:4 cement and coarse sand mixed with water proofing compound spreading cement slurry mixed with acrylic cement concrete water proofing compound filled gaps of					
	coba & top of coba mortar mixed with water proofing compound in 1:4 cement and coarse sand mortar finished smooth & top mashed false square 30 cm x 30 cm and side wall parapet shall be monolithic plaster wall upto 30cm higher and junction and corner shall be rounded by brick					
	ballast cement and coarse sand masonry coba with top finished plaster mixed with acetic water proofing compound @ 2% by weight & including S/o all material, labour T & P etc complete for proper completion of work.	(CHA-11 new item)	251.970	SQM	800.00	201576.00
26	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, ( for payment purpose only weight of stainless steel members shall be considered excluding fixing	(DSR-10.28)	259.065	KG	619.40	160464.86
27	Providing & Fixing of Black board in class Room	(M.R.)	3.000	NO.	15000.00	45000.00
28	Providing & Fixing of False ceiling works	(M.R.)	220.635	SQM	1800.00	397142.64
29	Providing & Fixing of Split A.C. in lecture room	(M.R.)	6.000	NO.	85000.00	510000.00
30	Cost of Internal Electrification works		1.000	JOB.	1000000.00	1000000.00


  
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S.N.	DESCRIPTION OF ITEM	SCH. NO.	QTY.	UNIT	RATES	AMOUNT
31	Cost of Rainwater pipes & Making Khurras		1.000	JOB.	30000.00	30000.00
32	Cost of Miscellaneous work on ground floor after completion of first floor				L.S.	100000.00
33	Cost of Covered Parking Shed for 4-wheeler / 2				L.S.	520000.00
					TOTAL	5322278.02
					G. TOTAL	5322278.02
				SAYRS.		Lacs.

  
 (श्री प्रसाद सिंह)  
 सहायक अभियंता  
 राष्ट्रीय स्टेट कॉन्स्ट्रक्शन एंड इन्फ्रास्ट्रक्चर  
 डेवलपमेंट कॉर्पोरेशन लिमिटेड, गुरुगढ़

  
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 S.K. Sawastava  
 Executive Engg.  
 U.S. State Construction &  
 Infrastructure Development Corp.  
 Gurugrad

**U.P. State Construction and Infrastructure Development Corporation Ltd.**

**DETAILED MEASUREMENTS OF PROPOSED REPAIR/RENOVATION WORKS OF CENTRAL LIBRARY  
AFTER DEMOLISHING OF MESS, AT S.B.B.P.MEDICAL COLLEGE DISTT:-MEERUT (U.P).**

**[ABSTRACT OF COST]**

**(Based on S.O.R. Meerut w.e.f. 01 /06/ 2015 & DSR-2014)**

S.N.	DESCRIPTION OF ITEM	SCH. NO.	QTY.	UNIT	RATES	AMOUNT
1	Dismantling brick work or stone work in lime or cement mortar and including stacking of dismantled materials as directed by engineer-in-charge within a distance of 60 metre (200feet).	(PWD-692)	14.70	CUM	200.00	2939.40
2	Dismantling rainforce cement concrete or reinforce brick work including stacking of dismantled materials as directed by engineer-in-charge within a distance of 60 metre (200feet).	(PWD-694)	10.29	CUM	450.00	4629.15
3	Dismantling of cement concrete or brick or granolithic floors including base concrete including disposal of refuse as directed by E/I with in a distance of 60mt. (200 feet).	(PWD-697)	270.00	SQM	30.00	8100.00
4	Dismantling of existing plaster including disposal of refuse as directed by E/I with in a distance of 60mt. (200 feet)	(PWD-706)	828.26	SQM	15.00	12423.96
5	Dismantling of brick work or stone work in lime or cement mortar and including disposal of refuse as directed by E/I with in a distance of 60mt. (200 feet).	(PWD-692)	57.08	CUM	200.00	11415.66
6	Dismantling of door or window including stacking of dismantled material as directed by E/I with in a distance of 60mt. (200 feet).	PWD-703	47.25	SQM	40.00	1890.00
7	Disposal of dismantled malba from site up to 10 km	(A.R.)	139.99	CUM	282.00	39475.93
8	M-150 brick work in 1:4 (one cement and four coarse sand of 2.25 fineness modulus) mortar in superstructure including supply of all materials, labour and T & P etc required for proper completion of the work.	(A.R.-I +309+310)	3.26	CUM	4230.00	13789.80
9	Providing and laying in cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) and curing complete, including cost of form- work, in foundation and floors.	(PWD-281)	40.50	CUM	4050.00	164025.00
10	15 mm cement plaster in single coat on rough side of single or half brick wall for interior plastering up to floor two level including internal rounded angles not exceeding 80 mm in girth and finished even and smooth. (1) 1 cement : 4 coarse sand	(PWD-584a)	558.264	SQM	135.00	75365.64
11	Providing and laying Vitriified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete.	(PWD-CHA-14 NEW ITEM)	279.430	SQM	1400.000	391202.00
12	Providing & Fixing of Accostical wall paneling	(A.R.)	277.200	SQM	9684.25	2684474.10

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**S.K. SIVAN**  
Executive Engg.  
U.P. State Construction &



LIBRARY

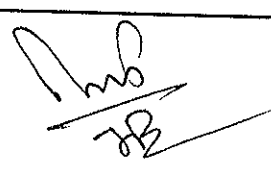
13	Providing & Fixing of Designer false ceiling	(M.R.)	270.000	SQM	1350.00	445500.00
14	Providing & Fixing of Adura work in	(M.R.)	48.380	SQM	3700.00	266090.00
15	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two or more coats applied @ 1.43 lit/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 lit/ 10 sqm)	(DSR - 13.47.1)	284.92	SQM	94.95	27053.15
16	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.	PWD New Item page 36	720.38	SQM	72.00	37459.76
17	Providing & laying "Half Cobes" 12mm thick laid with M-150 class brick half cobs 7.50 cm thick with gap of 15mm to each other, over 20mm thick base of cement mortar 1:4 cement and coarse sand mixed with water proofing compound spreading cement slurry mixed with acrylic cement concrete water proofing compound filled gaps of cobs & top of cobs mortar mixed with water proofing compound in 1:4 cement and coarse sand mortar finished smooth & top made as false square 30 cm x 30 cm and side wall parapet shall be mono lithic plaster wall upto 30cm higher and junction and corner shall be rounded by brick	(CHA-11 new item)	285.392	SQM	500.00	228213.28
18	Providing & Instalation of Central Air-conditioning work	(M.R.)	34.020	TON.	7500.00	2551500.00
19	6 to 10mm Ceiling plaster in 1:3 C/O/S mortar		342.000	SQM	152.00	51984.00
20	Cost of Internal Electrification work & Fancy light & fittings		1.000	JOB	600000.00	600000.00
21	Miscellaneous work After completion of repair & renovation works as site development works				1.00	100000.00
					TOTAL	7717630.84
					R. TOTAL	7717630.84
			SAY RS.		77.18	Lacs.

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 Director  
 U.P. Education Department  
 Lucknow

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 श्री राजेश सिंह  
 प्रमुख अभियंता  
 शिक्षण संस्थानों के विकास  
 उत्तर प्रदेश सरकार, लखनऊ

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 S. K. SHARMA  
 Executive Engineer  
 U.P. Education Department &  
 Instructional Development Centre  
 Lucknow

COST ANALYSIS FOR ACOUSTICAL WALL PANELING					
USING ARMSTRONG WOOD WORK					
S.No.	Item Details	Qty	Unit	Rate /Unit	Amount
1	Cost of Armstrong make acoustical channelled wood work perforated panels of width 128 mm thickness Of 16 mm and length of 2440 mm made of high density particle board substrate with a laminated facing Add U.P.T.T. @ 13.5%	1.00	sq. mtr	5500.00	5500.00
					742.50
	Add wastage in cutting and execution 10%				6242.50
					624.25
				<b>TOTAL( A)</b>	<b>6866.75</b>
2	Cost for making sub frame with G.I. Channel / wooden battens at wall level to make a base frame in plumb , line & level	1.00	sq. mtr	850.00	850.00
3	Cost of Rock wool pads of 1 mtr x 0.5 mtr 50 mm thick 48kg per mtr cube density	1.00	sq. mtr	550.00	550.00
4	Cost of Chicken mesh for holding rock wool pads	1.00	sq. mtr	165.00	165.00
4	Cost of misc hardware, screws, rawl plugs etc	1.00	sq. mtr	85.00	85.00
10	Labour cost for installation of entire system	1.00	sq. mtr	450.00	450.00
11	Add cost of scaffolding for installation	1.00	sq. mtr	350.00	350.00
	Add Contractors profit & over heads @ 15%				<b>TOTAL</b>
					2450.00
					367.50
				<b>TOTAL ( B)</b>	<b>2817.50</b>
	<b>Total Cost Per Sqm</b>			<b>TOTAL (A+B)</b>	<b>9684.25</b>
				<b>Say Rs.</b>	<b>9684.25</b>

  
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<b>ANALYSIS OF RATES</b>					
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	1st 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)		42.00	
			<b>TOTAL</b>	<b>282.00</b>	<b>PER CUM</b>

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