

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

(A Govt. of U.P. Enterprises)

(An ISO 9001: 2008 Certified)

Regd. office- TC/46 V, VibhutiKhand, Gomti Nagar, Lucknow (U.P.)

(Phone- 0522-2305878/FAX- 0522-2305877)

(Barabanki Office- 10 A, Siddiqui Nagar, Barabanki)

FINANCIAL BID

For

Construction of Hall at Distt. Library

BARABANKI(U.P.)

(VOLUME-II)

Date of submission _____

Name of Tenderer :.....

Address:.....

.....

.....

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

Abstract of Cost

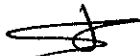
Name of work :- Construction of Hall at District Library Barabanki

Sl.No.	Particulars	Amount
1	Civil Work	31.84
2	Internal Sanitary	0.95
3	Site development	1.55
5	Boundary Wall	1.71
6	Internal Electrification	1.87
7	Air Condition 2 Ton	4.90
8	External Electrification from campus source	0.41
	Total-	43.23
	less 5% Due to work done by nigam (-)	2.16
	Total-	41.07

Quoted Rates on BOQ Amount Rs. 41.01 Lacs

- 1 Quoted percentage rate in figures (Below/Above)
- 2 Quoted percentage rate in words.....
(Below/Above)
- 3 BOQ cost on quoted rates RS..... Lacs


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Signature of Contractor

BILL OF QUANTITY

Name of work :- Construction of Hall at District Library Barabanki

S.N.		Particulars	QTY	Rate	per.	Amount
1	N.R	Clearing of Jungle for Making Layout the building	269.71	5.00	m ²	1348.55
2	N.R	Layout of land & making centreline plinth	238.27	8.00	m ²	1906.16
3	DSR 2.25/75	Earthwork in excavation in trenches for foundations pipes cable etc in ordinary soil (Loam clay or sand) including lift upto 1.5 m. lead upto 50m and dressing of sides and rammings of bottom and disposal of surplus excavated earth as directed by the Engineer I/C within a lead of 30m.	155.95	95.00	m ³	14815.25
4	275	Providing and Laying 1:4:8 (1 cement : 4 fine sand : 8 graded brick ballast 40 mm nominal size) in foundation & floor i/c supply of all material, labour T&P required for proper completion of the work	20.01	4301.15	m ³	86066.01
5	Analysis	R.C.C. work with cement approved coarse sand and 20mm gauge approved stone grit in the proportion of 1:1½:3 in foundation & upto plinth. excluding supply of reinforcement and its binding but including its fixing and binding the same with 24 B.W.G.G.I. binding wire and including necessary centering and shuttering etc. and also including supply of all materials. labour and T&P etc. required for proper completion of the work. Binding wire cost being included in the item.	14.61	7478.30	m ³	109257.96
6	Analysis	R.C.C. work with cement approved coarse sand and 20mm gauge approved stone grit in the proportion of 1:1½:3 in foundation & upto plinth. excluding supply of reinforcement and its binding but including its fixing and binding the same with 24 B.W.G.G.I. binding wire and including necessary centering and shuttering etc. and also including supply of all materials. labour and T&P etc. required for proper completion of the the work. Binding wire cost being included in the item. Plinth Beam above GI	4.46	8478.30	m ³	37813.22
7	DSR 2.25/75	Filling available excavated earth in trenches. plinth sides of foundations etc. in layer not exceeding 20 cm in depth consolidating each deposited layer by ramming and watering leaf up to 50 m ant lift up to 15 m.	79.19	112.40	m ³	8900.96
8	289	R.C.C. work with cement approved coarse sand and 20mm gauge approved stone grit in the proportion of 1:1½:3 in foundation & upto plinth. excluding supply of reinforcement and its binding but including its fixing and binding the same with 24 B.W.G.G.I. binding wire and including necessary centering and shuttering etc. and also including supply of all materials. labour and T&P etc. required for proper completion of the work. Binding wire cost being included in the item. Column upto P.L.	0.54	8640.00	m ³	4665.60
9	Analysis	Class-150 Brick work in 1:6 cement and coarse sand mortar in foundation including supply of all material, labour and T&P etc.required for proper completion above tie beam to P.L.(4900+248)=5148	52.23	5148.00	m ³	268880.04
10	289	R.C.C. work with cement approved coarse sand and 20mm gauge approved stone grit in the proportion of 1:1.5:3 in Columns (above plinth), excluding supply of reinforcement and its binding but including its fixing and binding the same with 24 B.W.G.G.I. binding wire and including necessary centering and shuttering etc. and also including supply of all materials, labour and T&P etc. required for proper completion of the work. Binding wire cost being included in the item.Super structure Col.	1.13	8640.00	m ³	9763.20

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BILL OF QUANTITY

Name of work :- Construction of Hall at District Library Barabanki

S.N.		Particulars	QTY	Rate	per.	Amount
11A	Analysis	RCC work in beam in 1:1½:3 C:C/s:S/g	31.70	8478.30	m³	268762.11
11B	Analysis	RCC work in Slab in 1:1½:3 C:C/s:S/g	6.92	8278.30	m³	57285.84
12	Analysis	R.C.C. work with cement approved coarse sand and 20mm gauge approved stone grit in the proportion of 1:1.5:3 in lintels of doors and windows, lintel bend, excluding supply of reinforcement and its binding but including its fixing and binding the same with 24 B.W.G.I. binding wire and including necessary centering and shuttering etc. and also including supply of all materials, labour and T&P etc. required for proper completion of the work. Binding wire cost being included in the item. Lintal Band & Sunshead	5.07	7978.30	m³	40449.98
13	Analysis	Class 150 Brick work in 1:6 cement and coarse sand mortar in Super Structure including supply of all materials, labour and T&P. etc. required for proper completion of work.	71.38	5578.00	m³	398157.64
14	Analysis	Class 150 Brick work in 1:4 cement and coarse sand mortar in Super Structure including supply of all materials, labour and T&P. etc. required for proper completion of work.	11.38	5960.00	m³	67824.80
15	504	Steel work in reinforcement	5311.70	68.90	Kg	365976.13
16	503	Supply of angle iron door chaukhat 40x40x5 size 1.50x2.55	247.50	75.90	m²	18785.25
17	N.R	Supply of Z Section window i/c grill				
			38.04	3446.45	m²	131102.96
18	282	Cast Cement concrete 1:2:4 C:C/s:S/g mortar for fixing of door/ window chaukhat frame	0.83	7350.00	m³	6100.50
19	Analysis	Earth filling in plinth				
A		From excavated earth	57.57	112.40	m³	6470.87
B		From cartage earth	16.81	441.00	m³	7413.21
20	Analysis	Sand filling in floor	20.10	1144.00	m³	22994.40
21	275	Providing and Laying in position cement concrete of specified grade excluding the cost of centering & shuttering - Above Plinth level 1:4:8 (1 cement : 4 corase sand : 8 graded stone aggregate 40 mm nominal size) in foundation	22.17	4301.15	m³	95356.50
22	Analysis	Class 150 Brick work in 1:4 cement and coarse sand mortar including supply of all materials, labour and T&P. etc. required for proper completion of work, 115 mm thick brick work. Apparon	2.50	5683.00	m³	14207.50
24A	11.41.2/187	S/F of vetrifide tile in floor with 1:4 (C:C:CS) mortor complation of all work	172.38	1405.95	m²	242357.66
B	11.46.2/188	Dado vetrifide	9.57	1415.40	m²	13545.38
24	13.52/216	15mm thick plaster 1:6 (C:CS) mortor in side wall	376.45	183.45	m²	69059.75
25	Analysis	10 mm thick side plaster ceiling 1:3(C:CS) Beam Side	236.80	165.00	m²	39072.00
26	11:4.2/216	12mm thick plaster 1:6 (C:CS) mortor outside	390.84	158.40	m²	61909.06
27	60R	25mm thick P.C.C.Floor 1:2:4 (C:CS:SG) mortor	62.62	250.00	m²	15655.50
28	Analysis	10mm thick ceiling plaster 1:3 (C:CS) mortor Sunsheed	16.80	164.60	m²	2765.28
29	13.9.2/216	20mm thick plaster 1:3 (C:CS) with neat cement finish over sunsheed	16.80	303.60	m²	5100.48
30	CH13/2014	Making dripcours in Sunshead	28.00	9.00	Rmt	252.00
31	598	Making Single deepline in plaster	434.60	21.00	Rmt	9126.60
32	9.21/147	S/F of flush door Shutter 35mm thick	20.90	1909.55	m²	39909.60
33	N.R	Fixing steel door chawkhet in position				
			20.00	150.00	m²	3000.00
			3.00	165.00	m²	495.00

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BILL OF QUANTITY

Name of work :- Construction of Hall at District Library Barabanki

S.N.		Particulars	QTY	Rate	per.	Amount
34	11.13/184	S/F of Glass strip 22x4	219.18	27.50	Rmt	6027.45
35	13.80/223	Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacture over the plastered wall surface to prepare the surface even and smooth complete.	1020.89	89.65	m ²	91522.79
36	13.41.1	Two coat Oil Bound Distemper over all one coat primer	613.25	89.70	m ²	55008.53
37	641+642	Two Coat Enamel Painting overall one coat of primer	120.67	93.00	m ²	11222.31
38	13.47.1	Finishing wall with premium acrylic smooth exterior paint two coat i/c primer coat	407.64	94.95	m ²	38705.42
39	10.30.1	S/F of 4mm thick glass pans in window	36.90	764.45	m ²	28208.21
40	2:35.3.1	Providing & Injecting chemical emulsion for preconstruction antermite treatment and cerating a chemical barrier under and round the col. Pits wall trenches basement of exacation top surface if plinth filling junction of wall and floor	222.90	118.90	m ²	26502.81
41	10.3	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	5.25	5291.30	m ²	27779.33
42	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works. including applying priming coat of approved steel primer.				
	10.26.1	M.S. tube	140.71	104.70	kg	14732.34
43	22.7	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs c) After two days of proper curing a				

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S.B.

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BILL OF QUANTITY

Name of work :- Construction of Hall at District Library Barabanki

S.N.		Particulars	QTY	Rate	per.	Amount
		plying a second coat of cement slurry using 2.75 kg/sqm of cement admixed jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineerin- Charge :				
	22.7.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	262.88	1019.05	m ²	267887.86
44	11.26.1	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 cementmortar 1 : 4 (1 cement : 4 coarse sand) :25mm. thick	50.17	1141.40	m ²	57264.04
45	11.27	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 rubbing and polishing complete.	2.51	1191.25	m ²	2990.04
46	14.41	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
	12.41.2	110 mm diameter	32.25	231.65	m	7470.71
47	12.42	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
	12.42.6	Shoe (Plain)				
	12.42.6.2	110 mm Shoe	7.00	295.10	no	2065.70
				Grand Total		3183940.45

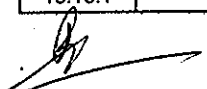
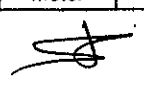
Say Rs.=

31.84

BILL OF QUANTITY (Internal Sanitary & Water Supply)

Name of work :- Construction of Hall at District Library Barabanki

SI No.		Items		Qty.	Rate	Amount
1	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern 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 :				
	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.	each	1.00	3392.80	3392.80
2	17.2.1	Providing and fixing white vitreous china pedestal type water closet(European type W.C. pan) with seat and lid, 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 :	Each	2.00	3317.30	6634.60
3	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require :				
	17.7.4	White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap.	each	3.00	1807.10	5421.30
4	M/R	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with pvc frame	each	3.00	315.00	945.00
5		Providing and fixing P.V. C. Pipe 6kg.Pis including all Material, Labour T.&P. Complete of work.				
	M/R	110 mm dia.	metre	33.50	523.00	17520.50
	M/R	75mm. Dia	metre	15.00	351.00	5265.00
6		Providing and fixing P.V. C. Clamp including all Material, Labour T.&P. Complete of work.				
	M/R	For 75 Dia	each	6.00	33.00	198.00
7		Providing and fixing P.V. C. Bend including all Material, Labour T.&P. Complete of work.				
	M/R	For 110 mm dia.	each	3.00	177.00	531.00
	M/R	For 75mm. Dia	each	3.00	99.00	297.00
8		Providing and fixing P.V. C. N Trape including all Material, Labour T.&P. Complete of work.				
	M/R	110*75mm.	each	3.00	165.00	495.00
9		Providing and fixing P.V. C. D. Bend including all Material, Labour T.&P. Complete of work.				
	M/R	For 110 mm dia.	each	3.00	313.00	939.00
	M/R	For 75mm. Dia	each	3.00	264.00	792.00
10		Providing and fixing of P.V.C. Cover				
	M/R	75mm. Ddia	each	1.00	32.00	32.00
11	19.2	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round pvc pipes including bed concrete as per standard design:	metre	30.00	314.35	9430.50
	19.2.2	150 mm diameter PVC pipe				
12	18.10	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. Internal work - Exposed on wall				
	18.10.1	15 mm dia. nominal bore	meter	15.00	215.10	3226.50

Name of work :- Construction of Hall at District Library Barabanki

SI No.		Items		Qty.	Rate	Amount
	18.10.2	20 mm dia. nominal bore	metre	37.00	249.30	9224.10
	18.10.3	25 mm dia. nominal bore	metre	22.00	304.15	6691.30
13	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
	18.17.1	25 mm nominal bore	metre	1.00	428.25	428.25
14	18.21.2	45 cm length pvc connection pipe				
	18.21.2.1	15 mm nominal bore	meter	6.00	68.60	411.60
15	18.46	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)				
	18.46.2	20 mm nominal bore	each	6.00	188.50	1131.00
	18.46.3	25 mm nominal bore	each	4.00	200.10	800.40
16	18.76	Cutting holes upto 30x30 cm in walls including making good the same :				0.00
	18.76.1	With F.P.S. bricks.	each	6.00	207.95	1247.70
17	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. as Such Hindwair				
	18.49.1	15 mm nominal bore	each	3.00	495.50	1486.50
18	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 as Such Hindwair				
	18.53.1	15 mm nominal bore	each	6.00	507.70	3046.20
19	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. (500ltr+200ltr)	ltr.	700.00	7.25	5075.00
20	MR	Providing & Making of Plateform for 500 Ltr. P.V.C. Water Storege Tank.	No.	1.00	3000.00	3000.00
	MR	Providing & Making of Plateform for 500 Ltr. P.V.C. Water Storege Tank.	No.	1.00	2500.00	2500.00
21	MR	brass ball cock 25 mm	NO	2.00	383.00	766.00
22	MR	pvc wast pipe 32 mm	NO	3.00	76.75	230.25
23	MR	Providing and fixing C.P. brass two way bib co of approved quality conforming to IS:8931 as Such Hindwair	NO	2.00	1008.65	2017.30
24	18.18.2	providing and fixing of ball valve brass 20mm dia	NO	3.00	409.90	1229.70
25	MR	supply and fixing of jet spray	NO	2.00	375.00	750.00
		Total				95155.5



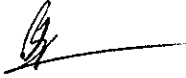

DOM & BOQ

External Sanitary & water Supply

Name of work :- Construction of Hall at District Library Barabanki

S.N.	Particulars	No.	L	B	Height / Depth	Quantity	Rate	Per	Amount
1	Construction of Septic Tank 25 User	1				1.00	77075.27	No.	77075.27
2	Construction of Soakpit	1				1.00	36541.29	No.	36541.29
3-(A)	Construction of mainhole 600x600 mm	1				1.00	5273.21	No.	5273.21
B	450x450 mm	6				6.00	3962.94	No.	23777.53
4	const of surface drain	1	10.00			10.00	1247.00	Rmt	12470.00
								Total-	155137.40

Say 1.55 Lacs



ANALYSIS OF RATES

ITEM- Construction of septic tank 25 User of internal size 4.0*1.40*1.30 (liquid depth) complete in all respect.

Sl.No.	Item	No.	L	B	H/D	Qty	Per	Rate	Amount
1	Earth Work in excation	1	4.70	2.10	2.00	19.74	Cum	95.00	1875.30
2	L.C. 1:4:8 C:S: 40 mm S/ballast	1	4.70	2.10	0.15	1.48	Cum	3790.00	5611.10
3	Brick work 1:4 C:c/s mortar	2	4.70	0.35	0.60	1.97			
		2	4.46	0.23	1.50	3.08			
		2	1.40	0.35	0.60	0.59			
		2	1.40	0.23	1.50	0.97			
		1	1.40	0.12	1.50	0.25			
					Total-	6.86	Cum	5425.00	37201.40
4	RCC 1:1.5:3 C:C/s:S/g mortar								
	Top Cover	1	4.50	1.90	0.15	1.28			
	Lintle	2	1.70	0.15	0.12	0.06			
					Total-	1.34	Cum	8278.00	11123.15
5	TOR Steel	1	45.00	1.90	0.62	53.01			
		1	13.00	4.48	0.62	36.11			
		2	4.00	1.90	0.62	9.42			
		2	13.00	0.44	0.62	7.09			
					Total-	105.64	Kg	68.90	7278.29
6	40 mm PCC flooring 1:2:4	1	4.00	1.40		5.60	Sqm	380.00	2128.00
7	15 mm thick plastr 1:3 C:C/s mortar with neat Cement finish	2	4.00	2.10		16.80			
		2	1.40	2.10		5.88			
		2	1.40	1.74		4.87			
		2	4.46	0.45		4.01			
		2	1.86	0.45		1.67			
		1	4.46	1.86		8.30			
					Total-	41.54	Sqm	256.60	10658.03
8	S/Fixing of iron step					12.00	No.	100.00	1200.00
							Total-		77075.27

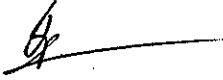



Analysis of Soak pit

1.50 meter internal dia

Sl.No.	Item	No.	L	B	H/D	Qty	Per	Rate	Amount
1	Earth Work in excavation in foudation	1.00	3.14	1.21	3.00	11.40	Cum	95.00	1082.83
2	BW in 1:6 C:c/s mortar in soakpit	3.14	1.73	0.23	3.30	4.12	Cum	5639.00	23232.68
3	Filling Bride Bats	1.00	3.14	0.56	2.50	4.40	Cum	1560.00	6857.76
4	RCC work in 1:1½:3 C:C/s/S/g	1.00	3.14	0.96	0.10	0.30	Cum	8278.00	2495.32
5	Steel work in reinforcement	1.00	0.30	1.00	78.50	23.55	Kg	68.90	1622.60
6	15 mm thick plaster 1:3	1.00	3.14	1.96	0.45	2.77			
		1.00	3.14	0.98	0.98	3.02			
						5.79	Sqm	256.60	1484.47
								Total-	36775.65

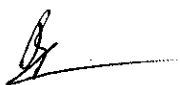
Say Rs. 36776.00

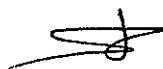


ANALYSIS OF RATE

Name of work :- Manhole (600x600 mm)

Sl. No.	Particulars	Qty.	Unit	Rate	Amount
1	E/W in excavation in foundation complete				
	1x1x1.18x1.18x0.60 = 0.83 cum	0.83	cum	95.00	78.85
2	Cement concrete in 1:5:10 C:S:BB mortar complete				
	1x1x1.18x1.18x0.10 = 0.14 cum	0.14	cum	3580.00	501.20
3	B/W in 1:3 cement c/sand mortar complete				
	1x2x1.06x0.23x0.50 = 0.24 cum				
	1x2x0.60x0.23x0.50 = 0.14 cum				
	0.38 cum	0.38	cum	5700.00	2166.00
4	12mm thick plaster in 1:3 cement c/sand mortar with net complete.				
	1x4x0.60x0.45 = 1.08 Sqm.				
	1x2x1.06x0.23 = 0.49 Sqm.				
	1x2x0.60x0.23 = 0.28 Sqm.				
	1x1x0.60x0.60 = 0.36 Sqm				
	1x4x1.06x0.30 = 1.27 Sqm				
	1x1x1.06x1.6 = 1.12 Sqm				
	4.60 Sqm.	4.60	Sqm.	226.00	1039.60
5	PCC for making & tope in manhole in 1:2:4 cement c/sand: SG mortar complete.				
	1x0.60x0.60x0.10 = 0.04 cum..				
	0.04 cum.	0.04	cum	7350.00	294.00
6	RCC in 1:1.5:3 C:CS:SG mortar complete.				
	1x1x1.06x1.06x0.08 = 0.09 cum.				
	0.09 cum	0.09	cum	8278.00	745.02
7	Mild steel or iron work complete.				
	1x2x8x1.08x0.395 = 6.51 Kg	6.51	Kg.	68.90	448.54
				Total	5273.21

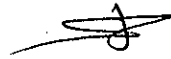




ANALYSIS OF RATE

Name of work :- Manhole (450x450 mm)

Sl. No.	Particulars	Qty.	Unit	Rate	Amount
1	E/W in excavation in foundation complete				
	1x1x1.03x1.03x0.60 = 0.64 cum	0.64	cum	95.00	60.80
2	Cement concrete in 1:5:10 C:S:BB mortar complete				
	1x1x1.03x1.03x0.10 = 0.11 cum	0.11	cum	3580.00	393.80
3	B/W in 1:3 cement c/sand mortar complete				
	1x2x0.91x0.23x0.45 = 0.19 cum				
	1x2x0.45x0.23x0.45 = 0.09 cum				
	0.28 cum	0.28	cum	5700.00	1596.00
4	12mm thick plaster in 1:3 cement c/sand mortar with net complete.				
	1x4x0.45x0.45 = 1.08 Sqm.				
	1x2x0.91x0.23 = 0.42 Sqm.				
	1x2x0.45x0.23 = 0.21 Sqm.				
	1x4x0.91x0.30 = 1.09 Sqm				
	2.53 Sqm.	2.53	Sqm.	226.00	571.78
5	PCC for making & tope in manhole in 1:2:4 cement c/sand: SG mortar complete.				
	1x0.45x0.45x0.10 = 0.02 cum..				
	0.02cum.	0.02	cum	7350.00	147.00
6	RCC in 1:1.5:3 C:CS:SG mortar complete.				
	1x1x1.06x1.06x0.08 = 0.09 cum.				
	0.09 cum	0.09	cum	8278.00	745.02
7	Mild steel or iron work complete.				
	1x2x8x1.08x0.395 = 6.51 Kg	6.51	Kg.	68.90	448.54
				Total	3962.94




BILL OF QUANTITY

Name of work :- Construction of Hall at District Library Barab

S.N.	P.W.D. S.I. No	Particulars	Qty	Unit	Rate
1	Analysis	Construction of Boundary wall earth work,lc,brick work, plaster and painting complete work	44.00	RM	3540.85
2		Dismantal of old boundary wall 29 m	one job	job	15000.00

Total

SAY 1.71 lacs

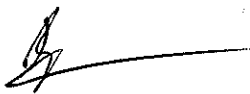


Analysis of rate (Boundary wall)

FOR 10 RMT

S.N.	Particulars	No.	L	B	Height / Depth	Quantity	Rate	Per	Amount
1	E/W in excavation in foundation	1.00	10.00	0.60	0.60	3.60	95.00	Cum	342.00
2	L.C. in 1:5:10 C:Sand:Obb 40 mm	1.00	10.00	0.60	0.10	0.60	3580.00	Sqm	2148.00
3	BW in foundation 1:6 C:C/s mortar	1.00	10.00	0.46	0.15	0.69			
		1.00	10.00	0.35	0.08	0.28			
		1.00	10.00	0.23	0.57	1.31			
					Total-	2.28	5148.00	Cum	11742.59
4	20mm thick damp proof coarse with 1:2 C:CS mortar including water proofing material	1.00	10.00	0.23		2.30	200.00	sqm	460.00
5	BW in super stucature 1:4 C:C/s half birck thick wall	1.00	10.00	0.12	1.50	1.73			
		5.00	0.23	0.12	1.50	0.20			
					Total-	1.92	5960.00		11463.32
6	15 mm thick plaster 1:6 C:C/s mortar	1.00	10.00		1.80	18.00			
		1.00	10.00		0.12	1.15			
		8.00	0.12		1.50	1.44			
					Total-	20.59	183.45		3777.24
7	12 mm thick plaster 1:6 C:C/s mortar	1.00	10.00		1.80	18.00			
					Total-	18.00	158.40		2851.20
8	Two coat water proof Cement Paint over one coat of white Cement	2.00	10.00		1.80	36.00			
		1.00	10.00		0.12	1.15			
		8.00	0.12		1.50	1.44			
					Total-	38.59	68.00		2624.14
								Total	35408.48
Cost of 10 Rmt Boundary Wall Rs.			35408.48						
Hence Cost of 1 Rmt Boundary Wall			3540.85						

Say Rs. 3540.85 Per Rmt




U.P State Construction & Infrastructure Development Corporation Ltd.
Name of work:- Electrical Estimate of Rajkiya Jila Pustkalya, Barabanki
U.P.P.W.D Schedule of rates 07 January 2016

Sl. No	Description	Code	Unit	Qty.	Rate	Amount
1	Wiring point for light with 1 Sq. mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit with 1.5 Sq. mm FR PVC insulated multistrand copper conductor cable as earthwire drawn inside piano type switch & ceiling rose angle/batten holder on 3mm thick phenolic laminated backlite sheet etc. complete in all respect.	138C	Nos	45	495.00	22275.00
2	Wiring point for To way light with 1.5 Sq. mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit Pipe with 1.5 Sqmm FR PVC insulated multistrand copper conductor cable as earthwire drawn inside piano type switch & ceiling rose angle /batten holder on 3mm thick phenolic laminated backlite sheet etc. complete in all	139C	Nos	1	635.00	635.00
3	Wiring point for fan/fresh air fan (light duty exhaust fan) with 1 Sq. mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit Pipe with 1.5 Sqmm FR PVC insulated multistrand copper conductor cable as earthwire drawn inside piano type switch & ceiling rose angle/batten holder on 3mm thick phenolic laminated backlite sheet etc. complete in all respect.	140C	Nos	18	580.00	10440.00
4	Wiring point for plug with 1 Sq. mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit Pipe with 1.5 Sqmm FR PVC insulated multistrand copper conductor cable as earthwire drawn inside piano type switch & socket etc. complete in all respect.	141C	Nos	9	265.00	2385.00
5	Wiring point for call bell with 1 Sq. mm FR PVC insulated multistrand single core copper conductor cable in PVC conduit Pipe with 1.5 Sqmm FR PVC insulated multistrand copper conductor cable as earthwire drawn inside piano type bell orsh for two pin socket etc. complete in all respect.	142C	Nos	1	460.00	460.00
6	Wiring point for H.P.S.V. with 1.5 Sq.mm FR PVC insulated multistrand copper conductor cable in PVC conduit Pipe with 1.5 Sq. mm FR PVC insulated multistrand copper conductor cable as earth wire drawn inside 15A piano type switch & ceiling rose on 3mm thick backlite sheet complete in all	143C	Nos	2	840.00	1680.00
7	Supply & wiring of submains with two number 2.5 sqmm PVC insulated single core copper conductor in 20mm dia heavy duty PVC conduit Pipe with 1 no. 1.5sqmm FR PVC insulated multistrand single core drawn inside the conduit complete in all respect.	1307C	Rm	180	103.00	18540.00
8	Supply & wiring of submains with two number 6 sq. mm PVC insulated single core copper conductor in 25mm dia heavy duty PVC conduit with 1 no. 4 sq.mm FR PVC insulated multistrand single core copper conductor cable as earth continuity wire drawn inside the conduit complete in all	222C	Rm	15	206.00	3090.00


J.E.(E)


A.E.(E)


E.E.(E)

9	Supply & Fixing of Water tight oblong bulkhead fitting of approved make complete with prismatic glass holder, rubber gasket, G.I. Guard etc. complete in all respects.	408	Nos	7	390.00	2730.00
10	Supply & Fixing of Factory wired HPF box, type fluorescent tube light fitting suitable for 1X40Watt fluorescent tube complete with electronic ballast.	453(l)	Nos	12	1116.00	13392.00
11	Supply & Fixing of Factory wired HPF box, type fluorescent tube light fitting suitable for 2X40Watt fluorescent tube complete with electronic ballast.	454(l)	Nos	8	1621.00	12968.00
12	Supply & Fixing of factory wired sodium vapour street lighting luminous single piece cast aluminium body suitable for 70watt SV lamp GI pipe bracket complete in all respect.	485(i)	Nos	2	4640.00	9280.00
13	S&L of 25mm x 3mm G.I. Strip from earth electrode directly in the ground as required complete in all respect.	716	Rm	30	82.00	2460.00
14	Supply and burring of Safe Earthing Electrode T-19, (Hot Dip Galvanized), Length up to 3000mm. Outer pipe 50mm, inner pipe 25, terminal Dia 12 mm, outer GI pipe of 16 swg and inner GI pipe of 12 swg with Hot Dip Galvanization up to 100 micron filled with crystalline conductive mixture (CCM) having anti corrosive & conductive property with 50 kgs activated soil (BFC) capable of reducing the soil resistivity with good mixture of retaining capacity and one earthing lead of 20 x 3 G.I. strip, up to switch board (from apron to switch board, the cost of G.I. strip will be extra) along with 30 cm square C.I. frame with hinged cover & masonry housing.	725A	Nos	2	7593.00	15186.00
15	S/F of 6Amp. To 32 amp. SPMCB (10 KA) Cat.-B	1002	Nos	10	200.00	2000.00
16	S/F of 40 DPMCB (10 KA) Cat.-B	1010	Nos	1	705.00	705.00
17	S/F of surface/flush mounting 12 ways SPN distribution board with additional metal door without MCB complete in all respect. Cat-B	1025A	Nos	1	1700.00	1700.00
18	S/F of Call bell of approved make.	1101	Nos	1	125.00	125.00
19	Erection and testing of exhaust fan on the existing hole with suitable size of rag bolts, nuts and washers etc. complete in all respect.	1120	Nos	3	130.00	390.00
20	S&F of 16gauge MS drum duly painted including making hole in the wall for exhaust fan and finishing properly complete in all respect with luvvers dully painted.	1122A	Nos	3	950.00	2850.00
21	S&F of Power plug with 15A/250 volt flush type switch and 5 pin 15A/250V flush type universal socket in suitable MS box of 175mm x 100mm x 50mm size with phenolic laminated bakelite sheet cover 3mm thick fixed with brass machine screw and cup washer.	1139	Nos	9	270.00	2430.00
22	S/F of hexagonal fan box with hexagonal side of approx 80mm in length fabricated from 16 SWG MS sheet incorporating 10 mm dia, MS round bar as per approved complete in all respect.	1149	Nos	15	135.00	2025.00
23	Erection and testing of ceiling fan and regulator etc. excluding supply of down rad, complete in all respect.	1115	Nos	15	68.00	1020.00
24	Supply & fixing of Electronic fan regulator	1203A	Nos	15	305.00	4575.00
25	S/L submain cable 1.5sqmmX2 wire with 1.5sqmm earthwire.	1313C	Rm	150	97.00	14550.00

J.E.(E)

A.E.(E)

E.E.(E)

26	Supply & Fixing of Light duties exhaust fan 12" dia D.B.B. Usha/Bajaj/Cromton make	MR	Nos	3	2200.00	6600.00
27	Supply & Fixing of Fan Sheet of Backelite	MR	Nos	15	38.00	570.00
28	S/f of ceiling fan ISI Marked 1200 mm sweep Usha/Bajaj/Cromton make	MR	Nos	15	1650.00	24750.00
29	S/F of CFL 18 watt	MR	Nos	26	210.00	5460.00
	Total					185271.00
	Add of MR Amount 5.26% Rs. 37380.00					1966.19
	Total					187237.19

Say Rs. 1.87 Lacs


J.E.(E)


A.E.(E)



E.E.(E)

U.P State Construction & Infrastructure Development Corporation Ltd.

Name of work:- A.C. Work at Rajkiya Jila Pustkalya, Barabanki

Sl. No	Item of work	PWD Shedule Item No	Unit	Qty.	Rate	Amount
1	S/F of Split A.C 2 star Voltas/L.G. Make 1.5 Tr <i>With 3.00 mtr refrigerant pipe</i>	MR	No	1	40000.00 42315.00	40000.00 42315.00
2	S/F of Split A.C 2 star Voltas/L.G. Make 2.0 Tr <i>With 3.00 mtr refrigerant pipe</i>	MR	No	6	50000.00 53200.00	300000.00 320200.00
3	S/L of Refrigerant Copper pipe	MR	TR	13.5	2000.00	27000.00
4	S/F of outdoor MS Stand powder coated	MR	No	7	1000.00	7000.00
5	S/F of stablizer 4 KVA	MR	No	1	4200.00	4200.00
6	S/F of stablizer 5 KVA	MR	No	6	4500.00	27000.00
7	S/F of A.C Box 20Amp	1031	No	7	664.00	4648.00
8	S/L of subamin 4.0sqm x 2 wire with 2.50sqm earth in pvc conduit pipe in wall	216C	Rm	25	155.00	3875.00
9	S/L of subamin 6.0sqm x 2 wire with 4.0sqm earth in pvc conduit pipe in wall	217C	Rm	120	215.00	25800.00
10	S/L of Alluminum Armoured cable 35sqm x 3½ core in ground or on surface	501K	Rm	50	448.00	22400.00
11	S/F of 4 way vertical TPDB D. Door Cat-B	1028C	No	1	9500.00	9500.00
12	S/F of SPMCB 32 Amp Cat-B	1002	No	27	200.00	5400.00
13	S/F of SPMCB 63 Amp Cat-B	1003B	No	4	370.00	1480.00
14	S/F of 125Amp FPMCCB (16 KA) Cat-B	1021A	No	1	5860.00	5860.00
15	Total S/F of Installation of ac		No	7	1500/2	484163.00 10500.00

For 15x9 mtr → 135 ~ 135 J.R.

Say Rs. 4.842 Lacs

Required A.C. approx. 15 WJR but due to fund limit upto available budget

[Signature]
J.E.(E)

[Signature]
A.E.(E)

[Signature]
E.E.(E)
14/7/16

Cost of A.C. 42315 + 320200
Cost of Stablizer 4200 + 27000

362500
81200
393715

2413.94 (Bright color items)
by