

**Bill of Quantity****Ist Phase****Name of Work :-Construction of Library at Dist.Balrampur(U.P.)**

S. No	Sl.No	Particulars	Qty.	Unit	Rate	Amount
1	259	Clearing of Jungle including uprooting of trunk vegetations grass, bush, wood trees and saplings of girth upto 30cm. Measured at height of 1 metre above ground level & removal of rubbish upto a distance of 50 metre out side the periphery of area cleared (Nigam Rate Item No 6)	600.00	Sqm	4.75	2850.00
2	Nigam 18	Providing Layout of building including making centre line pillar	349.50	Sqm	7.50	2621.50
3	251	Earth work in excavation in trenches for foundations and pipes, cable etc. in ordinary soil (Loam clay or sand) including lift upto 1.5m lead up to 50m and dressing of sides and ramming of bottom and disposal of surplus excavated earth as directed by the Engineer i/c within a lead of 50m.	132.65	Cum	94.00	12469.10
4	275	Providing and laying of cement concrete 1:4:8 (1 cement : 4 Coarse sand : 8 graded brick aggregate 40 mm nominal size) including supply of all materials, labour and T&P etc. required for proper completion of the work and curing complete, also including cost of formwork in foundation and floors.	9.00	Cum	3800.00 + 450	38250.00
5	283	R.C.C. work with cement approved coarse sand and 2cm (2/4") gauge approved stone ballast in the proportion 1:1.5:3 (1 cement : 4.5 aggregate) in lintels of doors and windows excluding supply of reinforcement and its bending but including its fixing and binding the same with 24B WG 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 be less than M-200.				
A		Raft colum 1:1.5:3 c:c/s/g20mm 7050.00+480.00	40.35	Cum	7530.00	303835.50
B	289	As in item no283 but on R.C.C. columns in 1:1.5:3 c:c/s/s/g20mm	10.80	Cum	9700.00	104760.00
C	285	As in item no283 but the Tie Beam 1:1.5:3 c:c/s/s/g20mm	18.15	Cum	9300.00	168795.00
D	283a	As in item no283 but the Plinth Bend 1:1.5:3 c:c/s/s/g20mm	4.78	Cum	8000.00	38240.00
E	283a	As in item no283 but the Lintel Bend 1:1.5:3 c:c/s/s/g20mm	7.24	Cum	8000.00	57920.00
F	283	Projection (Sunshed, Laft, Arch Etc.) As in item no283 but on R.C.C. in 1:1.5:3 c:c/s/s/g20mm	1.37	Cum	8000.00	10960.00
G	283a	Slab As in item no283 but on R.C.C. Slab in 1:1.5:3 c:c/s/s/g20mm	42.20	Cum	8750.00	369250.00
						1104479.10

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					B/F	1104479.10
H	286	Heavier Beam As in item no283 but the heavier beams i.e.having spans above 6 metres 1:1.5:3	7.84	Cum	10300.00	80752.00
I	285	Lighter Beam As in item no283 but the heavier beams i.e.having spans above 6 metres 1:1.5:3	10.16	Cum	9300.00	94488.00
6	Anal.	Filling of loose earth in plinth under floors including watering consolidation and dressing complete including lead upto 50m and lift upto 1.5m excluding cost of loose earth	188.97	Cum	410.00	77477.70
7	Anal.	Sand Filling in plinth under floors including watering consolidation and dressing complete including lead upto 50m and lift upto 1.5m excluding cost of Sand 500.00+63.00	47.24	Cum	1265.00	59758.60
8	303a	Class - 150 brick work in 1:4 cement and coarse sand mortar in foundation and plinth including supply of all materials, labour and T&P etc. required for proper completion of the work.	14.30	Cum	5300.00	75790.00
9	310	Class-150 brick work in 1:4 cement and coarse sand mortar in super structure above plinth level up to floor two level (up to two storeys) includings necessary cutting and moulding of brick work as required and also including honey combed brick work in thickness of wall more than 12cms. 5300+230+200	72.05	Cum	5730.00	412846.50
10	504	Mild Steel or Iron in plain work such as reinforced concrete or reinforced brick work (when not included in an over all rates) wrought to required shape as necessary including bending for proper completion of the work and including supply of steel its wastage bend hooks and authorised overlapping shall be measured upto floor two level.	153.55	Qtl	6800.00	1044140.00
11	310a	Class-150 brick work in 1:4 cement and coarse sand in super structure above plinth level up to floor two level (up to two Projection) includings necessary cutting and moulding of brick work as required and also including honey combed brick work in thickness of wall Not more than 12cms 5730+100	13.01	Cum	5830.00	75848.30
12	307	Same as above but in 1:3 Cement: C/Sand : Mortar. Ramp and Step	4.70	Cum	5600.00	26320.00
13	275	Providing and laying of cement concrete 1:4:8 (1 cement : 4 C/ sand : 8 graded brick aggregate 40 mm nominal size) including supply of all materials, labour and T&P etc. required for proper completion of the work and curing complete, also including cost of formwork in foundation and floors	7.13	Cum	4250.00	30302.50
14	584B	15 cement plaster in single coat on rough side of single or half brick wall for interior plastering upto loor two level including internal rounded angles not exceeding 80 mm in girth and finished even and smooth (i)1 cement : 3 coarse sand (ii) 1 cement : 4 Coarse sand	120.20	Sqm	160.00	19232.00
						3101434.70

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S. No	Sl.No	Particulars	Qty.	Unit	Rate	Amount
					B/F	3101434.70
15	DSR 13.4.2/ 13.5.2	12 mm/15mm cement plaster in single coat on rough side of single or half brick wall for interior plastering upto loor two level including internal rounded angles not exceeding 80 mm in girth and finished even and smooth (i) 1 cement : 6 coarse sand	881.99	Sqm	126.50	111571.73
16	583	10mm thick ceiling plaster in 1:4 cement: C/sand mortar i/c cost of all materials and labour T&P etc. required for proper completion of work. (155+10)	330.82	Sqm	186.20	61598.68
17	275	Providing and laying of cement concrete 1:4:8 (1 cement : 4 Coarse sand : 8 graded brick aggregate 40 mm nominal size) including supply of all materials, labour and T&P etc. required for proper completion of the work and curing complete, also including cost of formwork in foundation and floors	32.15	Sqm	4250.00	136637.50
18	598	10x12 mm grooves cutting including all material labour T&P groove will be on RCC column slab lintel plinth etc. complete.	1211.51	Rmt	22.00	26653.22
19	Nigam Page No 12	Making Drip course in sunshade or FACIA as per direction of Engineer-in-Charge including supply of all material labour etc. required for proper completion of the work.	49.50	Rmt	10.00	495.00
20	502	Mild steel or Iron work of small sizes and section such as holding down bolts, hold fast ticrods, gratings etc. (when not included in an over all rates) wrought to required form including supply of steel and its wastage including cost of bolts, nuts if required for and welding, grinding and making holes as required for completion of work. Fabrication of Door chaukhats, Nosing, also including one coat of approved primer.	296.56	Kg	69.60	20640.57
21	DSR 12.3	Providing and Fixing in position collapsible steel shutters/ M S channel gate	10.40	Sqm	2690.00	27976.00
22	502 (II)	Providing Fixing of M S Z section window with M S girill 10mm width one coat, Red oxide primer 1464.75+464.45	1255.50 + 398.10 1653.60	Kg	69.00	114098.40
23	502 (II)	Providing Fixing of M S Ralling in Stair & Same Ramp	239.40	Kg	69.00	16518.60
						4079629.46

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# Ist Phase

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S. No	Sl.No	Particulars	Qty.	Unit	Rate	Amount
						4079629.46
24	PWD 2014	Providing and injecting chemical emulsion for preconstructional antitermite treatment and creating a chemical barrier under and around the column pits wall trenches basement excavation top surface if plinth filling junction of wall and floor, along the external perimeter of binding expansion joints surrounding of pipes and conduit etc complete in all stages. (Plinth area of the building at ground floor only shall be measured)	349.50	Sqm	132.00	46134.00
25	601	25mm cement concrete flooring 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate of size 12 to 20 mm and below by volum) laid over set and hardened surface of structural slab or base concrete finished with a floating coat of neat cement using cement cement slurry for bon at the rate of 2.75kg of cement per sq.M. of floor including fixing of glass strips) but excluding cost of glass strips.	104.03	Sqm	255.00	26527.65
26	Chp. 14 (14.43B) DSR 11.26	P/L 20mm thick white Kota Stone flooring over 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid over jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing complete.	26.12	Sqm	1141.40	29813.37
27	Chap. II New	Providing and laying brick coba 120mm thick laid with M-150 class brick bal coba 7.50cm 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 aerellic cement concrete water proofing compound in 1:4 cement and coarse sand mortar finished smooth & top mashed false square 30cmx30cm higher and junction and corner shall be rounded by brick ballast cement and coarse sand masozry coba with top finished plaster mixed with acetic water proofing compound@2% by weight & including S/O all material labour, T&F etc complete for proper completion of work.	391.87	Sqm	1050.00	411463.50
					Total	4131622.92
						4131623.00
					Say Rs.	41.31 Lacs

  
J.E.

  
A.E.

  
E.E.

1st phase

U.P. S.C. & I.D. Corporation Ltd

Name of Work - Electrical Estimate of Distt. Library Balarampur / Sravasti

U.P. P.W.D. Schedule of Rates of January 2016

Sl No	Description	Code	Unit	Qty.	Rate	Amounts
1	Wiring point for light with 1sq mm FR PVC Insulated multistrend single core copper conductor cable in PVC conduit with 1.5sqmm FR PVC Insulated multistrend copper conductor cable as earth wire drawn inside plano type switch & ceiling rose angle /batten holder on 3mm thick phenolic paminated Backlite sheet etc. complete in all respect.	138C	Nos	53	495.00	26235.00
2	Wiring point for To way light with 1 sq mm FR PVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5sqmm FR PVC Insulated multistrend copper conductor cable as earth wire drawn inside plano type switch & ceiling rose angle /batten holder on 3mm thick phenolic paminated back lite sheet etc. complete in all respect.	139C	Nos	—	635.00	—
3	Wiring point for fan/fresh(light duty exhaust fan) with 1sq mm FR PVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5sqmm FR PVC Insulated multistrend copper conductor cable as earth wire drawn inside plano type switch & ceiling rose angle /batten holder on 3mm thick phenolic paminated back lite sheet etc. complete in all respect.	140C	Nos	24	580.00	13920.00
4	Wiring point for plug with 1sq mm FR PVC Insulated multistrend single core copper conductor cable in PVC conduit with 1.5sqmm FR PVC Insulated multistrend copper conductor cable as earth wire drawn inside plano type switch & socket etc. complete in all respect.	141C	Nos	12	265.00	3180.00
5	Wiring point for call bell with 1sq mm FR PVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5sqmm FR PVC Insulated multistrend copper conductor cable as earth wire drawn inside plano type bell orsh for two pin socket etc. complete in all respect.	142C	Nos	01	460.00	460.00
6	Wiring point for H.P.M.V./Sodium Vapour with 1.5sq mm PVC Insulated single core aluminium conductor in PVC Heavy duty conduit pipe partly concealed in wall and partly laid in slab alongwith the reinforcement before concreting complete with 1.5sqmm FR PVC Insulated multistrend copper conductor cable as earth wire drawn inside the conduit and 15Amp plano type switch etc. complete in all respect.	143C	Nos	04	840.00	3360.00
7	Wiring point for exhaust fan with 1.5sq mm PVC Insulated single core copper conductor in PVC Heavy duty conduit pipe partly concealed in wall and partly laid in slab alongwith the reinforcement before concreting complete with 1.5sqmm FR PVC Insulated multistrend copper conductor cable as earth wire drawn inside the conduit and 15Amp plano type switch etc. complete in all respect.	144C	Nos	—	760.00	—

47155.00

	Supply and wiring of submain with two number 4sq mm PVC insulated single core copper conductor in 20mm dia heavy duty PVC conduit with 1 no. 2.5sqmm FR PVC Insulated multistrand single core drawn inside conduit complete in all respect.	221G	Rm	250	148.00	37000.00
9	Supply and wiring of submain with two number 6sq mm PVC insulated single core copper conductor in 20mm dia heavy duty PVC conduit with 1 no. 4sqmm FR PVC Insulated multistrand single core drawn inside conduit complete in all respect.	222G	Rm	-	206.00	-
10	Supply and wiring of submain with two number 10sq mm PVC insulated single core copper conductor in 25mm dia heavy duty PVC conduit with 1 no. 5sqmm FR PVC Insulated multistrand single core cableless earth continuity wire drawn inside conduit complete in all respect.	223G	Rm	80	309.00	24720.00
11	Supply and fixing of water light oblong blackhead fitting of approved make complete with prismatic glass holder rubber gasket, GI Guard etc. complete in all respect.	408	Nos	01	390.00	390.00
12	Supply & fixing of single wall brackets on matching MDFEG board base etc. complete in all respect. Cat. A-A	412	Nos	0	815.00	-
13	Supply & fixing of factory wired HPF box, type fluorescent tube light fitting suitable for 1x40watt fluorescent tube complete with electronic ballast.	463(i)	Nos	-	1116.00	-
14	Supply & fixing of factory wired sodium vapour street lighting luminous single piece cast aluminium body suitable for 70watt SV lamp on GI pipe bracket complete in all respect.	485(i)	Nos	-	4640.00	-
15	S&F of 6amp to 32amp SPMCB (10KA) Cat. B	1002	Nos	30	200.00	6000.00
16	S/F of 10amp SPMCB (10KA) Cat. B	1010	Nos	-	705.00	-
17	S/F of 32amp SPMCB (10KA) Cat. B	1011	Nos	3	865.00	2595.00
18	S/F of 63amp 4 pole MCB (10KA) - Cat. B	1020A	Nos	1	1550.00	1550.00
19	S&F of surface/flush mounting 8 ways SPN distribution board with additional metal door without MCB complete in all respect. Cat. B	1024A	Nos	1	1430.00	1430.00
20	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	3	1700.00	5100.00
21	S/F of call bell of approved make complete in all respect.	1101	Nos	-	125.00	-
22	Erection of testing of exhaust fan on the existing hole with suitable size of rag bolts nuts and washer etc. complete in all respect.	1120	Nos	-	130.00	-
23	S/F of 16 gauge MS drum duly painted including making hole in the wall for exhaust fan and finishing properly complete in all respect. with Luvess duly painted.	1122A	Nos	03	950.00	2850.00
24	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 backlight sheet cover 3mm thick fixed with brass machine screw and cup washer.	1138	Nos	10	270.00	2700.00
25	S/F of hexagonal fan box with hexagonal side of approx	1149	Nos	21	135.00	2835.00

134325.00



	Supply and buying of earthing electrode T-19(Hot Dip Galvanized) length 1000mm outer pipe 50mm inner pipe 25mm Terminal dia 12mm outer GI pipe of 16swg and inner GI pipe of 12 swg with hot dip galvanization Ip to 100micron filled with castalipose conductive mixtur CGm having anti corrosive and conductive property with 50kg activated soil (BFO) capable of reducing the soil resistivity with good mixtur of retaining capacity and one earthing laid of 20x3 GI strip up to switch board from aprong to switch board the cost of GI strip will be extra along with 30cm squir CI farm with hinges cover and masonry housing make as approved in UPPWD's CPRI Certified.		Nos	01	7593.00	7593.00
27	S&L of 25mm x 3mm FI strip from earth electrode directly in the ground as required complete in all respect.	1116	Nos	20	82.00	1640.00
28	S&F of fire extinguisher ABC type dry chemical type 4kg capacity ISI marked & TAC approved with initial charge, bracket etc complete in all respect.	1131	Nos	—	8100.00	—
29	S&F of fire bucket round bottom made of GI sheet duly painted as per fire brigade complete in all respect.	1133	Nos	—	350.00	—
30	Erection of testing of ceiling fan and regulator etc. excluding supply of down rod complete in all respect.	1115	Nos	—	68.00	—
31	S/F danger board fabrication from 10 gauge MS sheet as per I.E. rules	1109	Nos	—	70.00	—
32	S&F of shock treatment chart (prescribed under I.E Rules) duly framed with glass complete with all respect.	1134	Nos	—	235.00	—
33	S&L of 1800mm x 900mm x 12mm thick chequered rubber matting of tested quality.	1138	Nos	—	2525.00	—
34	Add for fixing of tube fitting as pendent with two number 18mm dia 10 gauge rigid steel conduit double cheek nuts, spring loaded hinges or MS hook fabricated from 25mm x 3mm flat bar duly painted in the ceiling up to 3.5 height of ceiling including painting with synthetic enamel paint along with supply of all materials labour t&p etc. required for proper completion.	1143	Nos	—	235.00	—
35	Supply of erection of factory fabricated and wired metal clad dust and vermin proof floor mounting pannel TPN switch board complete in all respect as per UPPWD specification, CAT:-A  Incoming 200 Amp TPN = 1 No Outgoing 63 Amp TPN = 3 No 100 Amp TPN = 1 No	8020	Nos	—	96100.00	—
36	Supply of erection of factory fabricated and wired metal clad dust and vermin proof floor mounting pannel TPN switch board complete in all respect as per UPPWD specification Incoming  100 Amp TPN = 1 No Outgoing 63 Amp TPN = 3 No	801(a) +345	Nos	—	63065.00	—
37	Supply and fixing of electronic fan dimmer 300/400 watt ISI marked on the existing switch board including making connection required materials labour t&p etc. for proper completion of work to the satisfaction of engineer in charge of work.	1203A	Nos	21	305.00	6405.00
38	Supply and fixing of fan sheet	MR	Nos	21	38.00	798.00
39	Supply and fixing of ceiling fan ISI marked 1200mm	MR	Nos	20	1600.00	—

150761.00

1	Supply and fixing of heavy duties exhaust fan 12" dia	MR	Nos		2500.00	—
2	Supply and fixing of heavy duties exhaust fan 18" dia	MR	Nos		8500.00	—
3	Supply and fixing of exhaust fan lours 12" or 18" dia	MR	Nos		800.00	—
4	Supply and fixing of CFI up to 18 watt	MR	Nos		210.00	—
44	S/L submain 1.5sq mm x 2 wire with 1.5sqmm earthwire	MR	Nos		210.00	—
45	S/L Armoured cable 16x2 Al complete with bricks/saddle etc.	501C	Rm	250	37100	21750=
46	S/L Armoured cable 16x4 Al complete with bricks/saddle etc.	501C	Rm		306.00	—
47	S/L Armoured cable 35x3.5 Al complete with bricks/saddle etc.	501C	Rm		37600	—
48	S/F 4 way TPDB without MCB and with additional door cut B	1028A	Nos		440.00	—
49	S/F 6 way TPDB without MCB and with additional door cut B	1027A	Nos		2650.00	—
50	9ft of wooden Pota bit 1cat five 3Nxb3Am	MR	Nos		2600.00	—
51	3ft of microphos tube fitting 8x10 watt	42477	Nos	03	1200.00	1200=
	Total				2972.00	—
	Add @ 5.26% on non shed work item Rs 23740.00				Rs	1737.11=
	Total					1249=
	Add Contingency @ 2%					1749.60=
	Total					3499=
	Sage Rs					1704.99=
						1.78 Lac

*[Signature]*  
JRE

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MRE



## Summary of cost

Name of work :- Raising of Boundary wall And Painting of Different Building  
At ATS (Girls) Shekhuikala – Balrampur

Sl.No.	Particulars	Amount (Lacs)
1	Painting work main Building Dormatory Dinning Hall Pump house	13.31
2	Raising of Boundary wall 581.00Rmt	25.54
3	Boundry wall,gate Gord Room	0.20
		39.05 Lacs

  
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